MIDDLEBURY COLLEGE

Course Catalogue

Supplement for 1980-81

Middlebury College complies with the 1964 Civil Rights Act, Title IX of the Educational Amendments of 1972, the IRS Anto-Bias regulation and Section 504 of the Rehabilitation Act of 1973. In so doing, Middlebury College does not discriminate against any individual on the basis of race, color, sex, religion, ethnic origin or handicap in any of its programs or activities. The Dean of the College, Old Chapel, Middlebury College, Middlebury, VT 05753 (Tel. 802-388-2858) is responsible for coordinating the College's efforts to comply with sec. 504, Rehabilitation Act of 1973.

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HOW TO USE THIS SUPPLEMENT

As a guide to courses which will be offered at Middlebury College during the 1980-81 academic year, this supplement must be used in conjunction with the College's 1979-80 Registration Catalogue. Some of the courses listed in that Catalogue have been modified in one or more ways or have been dropped from next year's offerings, while some new courses which do not appear in the Catalogue have been added.

This document lists every course already carried in the 1979-80 Catalogue, indicating whether the course is being offered again without change, offered again but modified in certain respects, omitted in 1980-81, or dropped completely from the curriculum. It also gives all details for the new courses introduced since the Catalogue was published. When using the supplement, please keep the following in mind:

1. If a course is being offered again without change, only its title and the term it will be offered are listed.

2. If a course has been changed in some way, only its title and the changes (i.e., new instructor's name, new description, etc.) are listed here; all other information relating to the course is in the Catalogue and students may assume that the other information still applies.

3. If a course is being omitted in 1980-81, its title is placed in brackets.

4. If a course has been dropped entirely from the curriculum, its title is followed by the word "deleted."

5. As in the Catalogue, Foundations Courses are preceded by an asterisk (*).

FOUNDATIONS COURSES FOR 1980-81

FOREIGN LANGUAGES DIVISION

CL 121	The Classical Tradition of the Liberal Arts and Sciences
CL 150	The Ancient Epic
FL 201	Introduction to Linguistics
(FL 205	The Nature of Language)
(FL 251	Literature and Revolution)
#FL 252	The Art of Film
FR 115	Realism: French Fiction from Stendhal to Proust
RU 151	Russian Literature's Golden Age (1830-1880)
RU 152	Revolutionary Literature in a Revolutionary Society: Russian Modernism (1880-present)
SI 290	Dante: The Divine Comedy(in English)

HUMANITIES DIVISION

AL 101	The American Character in Literature
AR 101	An Introduction to Art and Art History
EL 110	Continental Fiction
(EL 111	European Drama: Renaissance to Modern)
(EL 112	Mythologies Timeless and Timely, Traditional and Contemporary)
(HM 150	Foundations of the Western Intellectual Traditions: Antiquities to the Reformation)
(HM 160	The Origins of Modern Thought: Science, Religion, Society)
MU 101	Introduction to Musical Styles
(MU 109	The Rudiments of Music)
PA 102	The Good and the True
RE 105	Introduction to the English Bible
RE 110	Introduction to Western Religious Life and Thought
RE 115	Introduction to Eastern Religious Life and Thought
RE 220	The Shaping of American Religious Life
TH 116	Masters and Masterworks of Theatre I
#TH 117	Film Form and Film Sense
(TH 126	Masters and Masterworks of Theatre II)

NATURAL SCIENCES DIVISION

BI 100	Evolution by Natural Selection: Historical Development and Current Status of an Idea

BI 125 Introduction to Biological Principles
CH 110 Chemistry--the Formative Years 1800-1915
GL 102 Dynamic Earth
GL 172 Global Tectonics
MA 105 Finite Mathematics: Probability, Statistics and Matrices
MA 107 Foundations of Mathematics
MA 123 Computer Programming I
(MA 227 Set Theory)
PH 101 The Nature of Things: Physical Reality and Human Thought
PH 155 Introduction to the Universe

SOCIAL SCIENCES DIVISION
HI 103 Turning Points in Early Modern History
HI 104 The Formation of the Nation State in Western Europe, 1600 to Modern Times
PS 101 Introduction to Political Science
PS 107 Politics and the Studies of Politics
SA 105 Social Man and Social Order: Issues in Freedom and Constraint

#No student may take both FL 252 and TH 117 for Foundations Course credit.

DIVISION OF FOREIGN LANGUAGES

*FL 201 INTRODUCTION TO LINGUISTICS. Fall.

(*FL 205 THE NATURE OF LANGUAGE)

(FL 220 MODERN ASIAN FICTION IN TRANSLATION)

(FL 251 LITERATURE AND REVOLUTION)

*FL 252 THE ART OF CINEMA. Fall. New Course.
This course is designed as an introduction to European cinema approaching the medium from three different perspectives: historical, technical and thematic. After becoming acquainted with the origins and early development of cinema, students will study film structure and focus on camera technique, lighting, sound and color. Once the language of cinema has been learned, the relationship between the narrative message and the technical medium will be considered in depth. The class will approach film in a comparative fashion taking into account the language, culture and schools of thought (Surrealism, Neo-realism) which affect and fashion cinematic art. Works by Resnais, Fellini, Murnau and Eisenstein will be studied. Mr. Prieto.

(FL 316 SYMBOLISM AND MODERN POETRY)

(FL 340 THE ART AND CRAFT OF TRANSLATION)

(FL 352 INNOCENCE AND MADNESS IN MODERN FICTION)

(FL 405 SEMINAR: KAFKA)

Additional courses offered in English remain the same, with the following exceptions;

CL 100 INTRODUCTION TO CLASSICAL STUDIES. Fall.

*CL 150 ANCIENT EPIC. Spring. Now a Foundations Course.

(CL 151 MASTERPIECES OF ROMAN LITERATURE)

*FR 115 REALISM: FRENCH FICTION FROM STENDHAL TO PROUST. Spring. New Course. Foundations Course. See French Department copy in this summary for description.

RU 351 DOSTOEVSKY. Spring. New Course. See Russian Department copy in this summary for description.

DIVISION OF HUMANITIES

(*HM 150 FOUNDATIONS OF THE WESTERN INTELLECTUAL TRADITIONS: ANTIQUITY TO THE REFORMATION)

(*HM 160 THE ORIGINS OF MODERN THOUGHT: SCIENCE, RELIGION, SOCIETY)

(HM 305 POETRY, VALUES AND COMMITMENT)

NS 150 ENVIRONMENTAL SCIENCE. Fall.

AMERICAN LITERATURE

Major Program: Change the first sentence of paragraph 2 to read: Required for the major: fourteen courses for all majors including AL 201, 202 and 203, AL 450, three other term courses in the department, AL 500 and the two seminars in the Senior Program. Change the first sentence of paragraph 3 to read: The Senior Program consists of a fall term seminar (AL 704), a spring term seminar (AL 705) and an oral general examination at the end of Winter Term (AL 500).

*AL 101 THE AMERICAN CHARACTER IN LITERATURE. Fall, Spring. New readings include Franklin, Crevecoeur, Whitman, Twain, Williams, Faulkner and Baldwin.

AL 201 AMERICAN LITERATURE: 1620-1830. Fall. Mr. McWilliams.

AL 202 AMERICAN LITERATURE: 1830-1865. Fall, Spring. New Description. A study of the six authors who comprise the American Renaissance: Emerson, Thoreau, Hawthorne, Melville, Whitman, and Dickinson. Mr. Beck (Fall), Mr. McWilliams (Spring)

AL 203 AMERICAN LITERATURE: 1865-1940. Fall, Spring. New Description. A study of the major authors of the period, including Twain, James, Stephen Crane, Henry Adams, O'Neill, Frost, Eliot, Stevens, Hemingway, Fitzgerald, Faulkner. Mr. Donadio, Fall; Mr. Beck, Spring.

AL 204 RECENT AMERICAN LITERATURE: 1940-PRESENT. Spring. Ms. Pemberton.

AL 301 THE AMERICAN NOVEL. Fall. Mr. Donadio.

AL 302 THE AMERICAN NOVEL. Spring. New Description. A study of the themes and forms of twentieth century American fiction. Concentration upon Wharton, Dreiser, Hemingway, Fitzgerald, Faulkner, Dos Passos, Wright, Ellison and Bellow. Mr. McWilliams.

AL 303 THE AMERICAN SHORT STORY. Spring.

AL 304 MODERN AMERICAN POETRY. Fall. New Description. A study of American poetry of the modern period with emphasis on the works of Robinson, Frost, Stevens, and Williams, though poems by Cummings, Crane and Roethke also will be examined. The themes of desire and despair, and the belief in the curative power of poetic design, will be traced throughout the poetry to be studied. Mr. Pack.

AL 305 CONTEMPORARY AMERICAN POETRY. Fall. New Course. A study of selected contemporary American poets and the tradition in which they are writing. Attention will be given to the influence of the modernist movement, particularly the theoretical direction provided by Pound and Eliot. The poets to be considered will be: Lowell, Berryman, Wilbur, Nemerov, Hecht, Dickey, Ginsberg, Ammons, Wright, Kinnell, Sexton, Merrill, Merwin, Levertov, Pack and Plath. Staff.

AL 401 FOLKLORE AND MYTHOLOGY. Fall.

AL 402 FOLK LIFE. Spring.

AL 420 AMERICAN CULTURE, 1941-61. Spring. New Course. An inquiry into cultural developments in the United States from the bombing of Pearl Harbor to the inauguration of John F. Kennedy. The course will focus on changes in popular culture, the visual arts, political sensibility and literary expression. In addition to reading fiction, students will see documentary films each week. We will consider perceptions of the Second World War, the Hiss case, the Rosenberg case, the Korean conflict, the McCarthy hearings, Abstract Expressionism, the transformation of popular music and the emergence of the Beat Generation. Independent research and several papers will be required. Readings will include works by Salinger, Bellow, Trilling, Styron, Mailer, Ginsberg, Kerouac, Nabokov, Percy, Heller and Pynchon. Mr. Donadio.

AL 440 REGIONALISM: THE WEST. Spring. New Description. An examination of works projecting and reflecting notions of the American West. Included will be authors from the West and others who saw in the region opportunity for excursions into the definition of the American character. Authors to be read include Owen Wister, Jack London, Mark Twain, Frank Norris, Stephen Crane, Nathaniel West, Norman Mailer and Joan Didion. Ms. Pemberton.

AL 450 SEMINAR IN MAJOR AUTHORS: RALPH ELLISON AND RICHARD WRIGHT. Fall. New Description. A study of the two most influential black American authors, their relationship to their contemporaries and how their work helped define American modernism. (Permission or AL 201, 202, 203.) Ms. Pemberton.

AL 500 SPECIAL RESEARCH. Fall, Winter, Spring. New Description. Open to individual qualified majors with instructor's permission. Required of all majors during Winter Term of senior year.

AL 700 SENIOR RESEARCH. Fall, Winter, Spring.

AL 704 SENIOR SEMINAR. Fall. New Description. Group discussion of selected works on the required reading list for majors. Collateral reading of major works of American literary criticism. Ms. Pemberton.

AL 705 SENIOR SEMINAR. Spring. New Description. Intensive study of one topic or issue based upon selected readings from all periods of American literature. Mr. Donadio.

PROGRAM IN AMERICAN STUDIES

Major Program: In paragraph 3, delete Mr. Wald as philosophy adviser.

I. Courses Required of All Students: Courses remain the same, with the following exception: Delete: SA 390 SOCIOLOGY OF WOMEN

II. Four related American courses. . .: Courses remain the same, with the following exceptions:

American Literature
Delete: AL 304 MODERN AMERICAN POETRY
AL 401 FOLKLORE AND MYTHOLOGY
AL 402 FOLKLIFE

Add: AL 420 AMERICAN CULTURE 1941-1961. Spring.
AL 440 REGIONALISM: THE WEST. Spring.

Art (New Category)
Add: AR 403 SEMINAR IN MODERN ARCHITECTURE: EARLY MIDDLEBURY. Fall.
AR 407 SEMINAR IN AMERICAN ART: WINSLOW HOMER. Spring.

Economics
Delete: EC 320 THE CORPORATION. Spring.

Add: EC 350 MACROECONOMIC THEORY. Fall, Spring.
EC 355 MICROECONOMIC THEORY. Fall, Spring.

History
Delete: HI 303 ERA OF THE AMERICAN REVOLUTION
HI 308 AMERICAN INTELLECTUAL HISTORY

Add: HI 305 TWENTIETH CENTURY AMERICA: 1900-1940. Fall.
HI 306 TWENTIETH CENTURY AMERICA: 1938-1978. Spring.

Political Science
This category will include all 200-, 300- and 400-level courses which are concerned with American political theory and/or institutions. (Specific courses for 1980-81 have not been identified.)

Religion
Delete: RE 306 THE PURITAN TRADITION IN AMERICA

Change: RE 308 SEMINAR IN AMERICAN RELIGIOUS HISTORY--from Spring to Fall.

Sociology-Anthropology
Delete: SA 315 SOCIOLOGY OF EDUCATION
SA 316 SOCIOLOGY OF YOUTH
SA 321 NATIVE PEOPLES OF NORTH AMERICA
SA 344 URBAN SOCIOLOGY
SA 390 SOCIOLOGY OF WOMEN
SA 391 ADVANCED TOPICS IN THE SOCIOLOGY OF WOMEN

III. Advanced Studies:

AS 400 SEMINAR IN AMERICAN STUDIES (Junior Year). Fall.

AS 401 RESEARCH SEMINAR (Junior Year). Spring.

N.B. AS 400 is of crucial importance to the American Studies Program. American Studies majors should plan to take a semester abroad, or to transfer for a semester, only during the spring semester of their junior year. The AS 401 requirement will be waived for students studying elsewhere.

AS 700 SENIOR THESIS. Fall, Winter and Spring.

AS 704 SEMINAR IN AMERICAN STUDIES (Senior Year). Spring.

ART

New Faculty: Visiting Johnson Professor (Fall): William Rubin

Major Program: Change Art History Emphasis to read: Five additional courses of choice in art history (in two of which the student major must submit substantial research papers to demonstrate mastery of the writing skills necessary for successful work in the discipline); AR 400 (which must be taken previous to the commencement of the senior thesis and is recommended before any foreign study); and two terms of AR 710 (senior work), normally fall and winter, in order to write a senior thesis.

Change Studio Emphasis to read: Four additional studio courses and four additional courses in the history of art, plus senior work. Senior work may assume two forms: either the student may elect three terms of AR 720 and carry out a sustained studio project, or the student may elect at least two studio courses beyond the six required of the major. All senior studio majors are required to present an exhibition of their work during their senior year.

Change Honors to read: are awarded to students who do outstanding work in studio or art history.

*AR 101 AN INTRODUCTION TO ART AND ART HISTORY. Fall.

AR 102 MODERN ART. Spring.

AR 103 INTRODUCTION TO FAR EASTERN ART. Fall. New Course. Major monuments and the dominant artistic trends of China, India and Japan are presented and analyzed in terms of subject matter and its meaning, style and quality. Sculpture, architecture, painting, ceramics and bronze vessels will be studied, as well as matters of artistic theory, social and religious significances and methods of construction. Excursions to Cambodia (for Angkor Wat) and Java (for Borabadur) are to be included. Two lectures and one discussion per week. Mr. Reiff.

AR 201 ART OF THE ITALIAN RENAISSANCE. Fall.

(AR 203 THE ART OF INDIA)

AR 204 THE ART OF CHINA. Spring.

AR 205 FIGURE DRAWING. Fall.

AR 206 FIGURE DRAWING. Spring.

AR 207 AMERICAN PAINTING 1750-1900. Spring. New Course. A survey of American painting focusing upon the major painters and themes of the eighteenth and nineteenth centuries. The course will examine the development of history, landscape and genre painting. In addition to these broader themes, we will also focus upon some of the great post-Civil War painters including Winslow Homer, Thomas Eakins and Albert Pinkham Ryder. Mr. Wilson.

(AR 208 THE ART OF JAPAN)

AR 209 STUDIO ART I. Fall. New Title.

AR 210 STUDIO ART II. Spring. New Title.

(AR 211 AMERICAN DESIGN) Offered in 1981-82.

(AR 213 KOUROS TO CONCEPT)

AR 214 EAST AND WEST. Deleted.

AR 215 EARLY MEDIEVAL ART. Deleted.

AR 216 ART OF THE MIDDLE AGES. Fall. New Title and Description. A survey of European art and architecture from the fall of Rome to the late thirteenth century. Among the topics to be discussed are: Irish monasticism and its art forms, Romanesque art and architecture, and the great Gothic cathedrals of Chartres, Bourges, Paris, Reims and Amiens. In addition to examining the structural principles of Romanesque and Gothic architecture, we will also discuss the development of medieval sculpture and iconography. Other topics to be considered are the design of stained glass windows, illuminated manuscripts and late medieval tapestries. The course will also include an optional field trip to study medieval art and architecture at the Cloisters Art Museum in New York City. Mr. Wilson.

AR 240 A HISTORY OF CINEMA. Deleted.

AR 301 MODERN ARCHITECTURE. Spring. New Course. The Western tradition in architecture since the Industrial Revolution. A survey of the men, monuments and developments that established the aesthetic, social and technological beckground for the contemporary architectural scene. Mr. Andres.

(AR 302 BAROQUE ART)

(AR 303 NORTHERN EUROPEAN PAINTING)

(AR 304 THE ART OF NORTHERN EUROPE: THE BAROQUE)

AR 305 PAINTING AND SCULPTURE OF 19th CENTURY EUROPE. Fall.

AR 307 THE ART OF THE CITY. Fall.

AR 308 LATE MODERN ART. Spring.

AR 309 PAINTING. Fall.

AR 310 PAINTING. Spring.

(AR 311 ANCIENT ART)

AR 312 ROMAN ART. Spring. New Course. Roman civilization mirrored by eight centuries of art and architecture--on the surface eclectic and derivative, beneath manifesting the technical, organizational and propogandistic complexity and brilliance that was Rome, Mr. Andres.

AR 315 PRINTMAKING. Fall.

AR 316 PRINTMAKING. Spring.

(AR 317 PHOTOGRAPHY)

AR 319 SCULPTURE. Fall.

AR 320 SCULPTURE. Spring.

AR 340 THE ESSENCE OF CINEMA. Deleted.

AR 400 THE ART WORK AND THE WORD. Spring. New Title and Description. This seminar course is geared to the needs of art history majors and is required of them. Our focus will be the role of verbal commentary (artists' statements, critical and historical writings) in the interpretation of art works, as well as the procedures by which one locates such information and uses it in the construction of art-historical arguments. The problems encountered in art-historical research and writing will be discussed at length, and--through a series of projects--students will have the opportunity to develop their expertise. In this manner, the course serves as preparation for independent senior work in art history, AR 710. The department strongly recommends that this course be taken before any study abroad and welcomes sophomore students who have decided on the art history major, even though most students will elect to take it during spring of their junior year. Mr. Hunisak.

AR 401 SEMINAR IN MODERN ART. Fall. New Description. This year's topic will be the art of Pablo Picasso (1881-1974). In terms of the diversity, innovation and quality of his art, as well as his sheer longevity, Picasso became the pre-eminent artist of the 20th century. From late May until mid-September, 1980, the Museum of Modern Art will hold the largest Picasso exhibition ever, with nearly a thousand objects on display. A trip to this exhibition will be an integral part of the course. This seminar is meant to coincide with the Museum of Modern Art exhibition and is part of Middlebury's own celebration of Picasso during the fall of 1980. The artist's Vollard Suite of 100 etchings will be featured in the Johnson Gallery during the month of October. William Rubin, Director of Painting and Sculpture at the Museum of Modern Art and organizer of the exhibition, will be in residence at Middlebury for the week of October 20 as Christian A. Johnson Distinguished Visiting Professor of Art. He will deliver three public lectures and participate in this seminar during his stay here. Estimated costs of field trip (accommodations and meals) $150 plus transportation. (Permission.) Limited to 12 students. Mr. Hunisak.

AR 403 SEMINAR IN MODERN ARCHITECTURE: EARLY MIDDLEBURY. Fall. New Title and Description. A survey of architecture and design in Vermont in the late eighteenth and first half of the nineteenth centuries, with special reference to buildings and artifacts in the Middlebury area. (Permission.) Limited to 12 students. Mr. Andres.

(AR 405 SEMINAR IN BAROQUE ART)

(AR 406 SEMINAR IN RENAISSANCE ART: DONATELLO AND HIS TIME)

AR 407 SEMINAR IN AMERICAN ART: WINSLOW HOMER. Spring. New Course. An examination of the life and work of the American painter Winslow Homer. Although generally regarded as a popular painter of American life, Winslow Homer through his painting often provides a penetrating and sometimes disturbing view of post-Civil War America. Through a careful study of selected paintings we will explore a number of important themes running throughout Homer's work. Among the themes to be considered are: the role of women in post-Civil War America, images of childhood in the Gilded Age, the hunter and the hunted, and man and his relationship to the sea. In addition to exploring specific themes, we will also be concerned with broader methodological questions such as how one examines a work of art and what a painting can tell us about the period in which it was created. (Permission.) Limited to 12 students. Mr. Wilson.

AR 500 ADVANCED STUDIES IN THE VISUAL ARTS. Deleted.

AR 510 ADVANCED STUDIES IN ART HISTORY. New Course. Supervised independent work in art history. Staff.

AR 520 ADVANCED STUDIES IN STUDIO. New Course. Supervised independent work in studio. Senior studio independents are required to attend regular group critiques with the studio art staff and the other senior studio independents. Staff.

AR 700 SENIOR INDEPENDENT STUDY. Deleted.

AR 710 SENIOR INDEPENDENT STUDY IN ART HISTORY. New Course. Research and presentation of a two-term thesis in a subject area of choice, but in which the student has a demonstrated competence. (AR 400.) Staff.

AR 720 SENIOR INDEPENDENT STUDY IN STUDIO. New Course. Three terms of supervised independent work. All senior studio art independents will meet for regular group critiques with the studio art staff and other senior studio independents. Staff.

BIOLOGY

Faculty Changes: Assistant Professors: Dwight Baker, Thomas Root.
Major Program: Change first sentence to read: The Biology Department offers courses which examine a broad spectrum of phenomena, ranging from life processes at the molecular and cellular levels of organization to the interrelationships of organisms with their environments.

Delete paragraphs 3 and 11.

In paragraph 8, change the first two sentences to read: Students planning careers that require graduate or professional school training involving biology should be familiar with the subject matter included in CH 101, CH 131 and CH 241, MA 112, and PH 109 and PH 110, in addition to their biology program. Some medical and graduate schools expect additional courses in mathematics and chemistry.

*BI 100 EVOLUTION BY NATURAL SELECTION: HISTORICAL DEVELOPMENT AND CURRENT STATUS OF AN IDEA. Spring. New Course. Foundations Course. The concept of evolution by natural selection forms the unifying core of modern biological thinking. This course will trace historically and biographically the separate strands of evolutionary and genetic thinking to their fusion in the 1920's and 1930's in the neo-Darwinian or synthetic theory of evolution, the discovery of the molecular nature of the genetic material and the machinery of its expression, and the recent expansion of evolutionary thinking to observed animal and human behavioral patterns. Subsidiary themes will be the variety of human thinking patterns, the importance of individuals in the development of concepts, and the contrast between the gradual accretion of biological knowledge and the revolutions which are reputed to occur in the physical sciences. 3 hrs. lect. and occasional discussions. Mr. McDonald.

*BI 125 INTRODUCTION TO BIOLOGICAL PRINCIPLES. Fall. Now a Foundations Course. A discussion of fundamental principles leading to an understanding of the biology of organisms, with emphasis on their applicability to the human species. Topics to be discussed include: relations of organisms to their environment, levels of organization from molecules to populations, cellular and species continuity (genetics and evolution), the physiology of human reproduction, human genetics, and animal and human behavior. Laboratories will both supplement and complement lectures. Students with advanced high school preparation in biology may find it advantageous to bypass this course and elect others in biology for which this course is a prerequisite. Those wishing to avail themselves of this option should take the biology AP examination or the departmental proficiency examination which is given during the fall or winter term freshman orientation program. 3 hrs. lect., 3 hrs. lab. Mr. McDonald.

BI 190 GENERAL ECOLOGY. Spring.

(BI 201 INVERTEBRATE BIOLOGY)

+BI 203 BOTANY. Spring.

+BI 205 DEVELOPMENTAL BIOLOGY. Spring. New Description. An introduction to the anatomical and morphological changes that take place during the life cycles of a variety of organisms (plants and animals). We will also study the genetic, molecular and other factors that are responsible for these changes. Laboratory work will include both study of the developmental anatomy of selected plants and animals and experimental work on one of several possible projects. (BI 125 or permission.) 3 hrs. lect., 4 hrs. lab. Mr. Briggs.

+BI 220 COMPARATIVE CHORDATE MORPHOLOGY. Fall.

BI 225 TOPICS IN HUMAN GENETICS. Spring.

BI 230 MICROBIOLOGY. Fall. New Course. An introduction to microorganisms with emphasis on the prokaryotes. Beginning with a general discussion of the evolutionary, physiological and genetic differences between pro-and eukaryotes, the course proceeds through an in-depth examination of bacterial activity: fermentation, anaerobic and aerobic respiration, chemotaxis, autotrophy, and nitrogen fixation. Through a survey of important prokaryotic groups, the role of microbes in disease environmental nutrient cycles and various industrial processes will be considered. Laboratory exercises stress basic bacteriological procedures, culture methodology and experimental approaches to micorbial taxonomy, physiology and genetics. (BI 125 or equivalent.) 3 hrs. lect., 4 hrs. lab in two sessions, Mr. Baker.

BI 250 ORGANELLES AND CELLS: AN INTRODUCTION TO CONCEPTS AND METHODOLOGY. Spring. Mr. Saul and Staff.

BI 267 THE BIOLOGY OF INSECTS AND RELATED ANTHROPODS. Deleted.

BI 303 PLANT PHYSIOLOGY. Fall. New Prerequisites. (BI 203 and BI 250 or permission.) Mr. Briggs.

BI 305 MICROBIAL BIOLOGY. Deleted.

BI 311 ECOSYSTEM ANALYSIS. Fall.

BI 314 MOLECULAR GENETICS. Fall.

+BI 316 ANIMAL BEHAVIOR. Spring.

BI 320 COMPARATIVE ANIMAL PHYSIOLOGY. Spring.

BI 325 MEDICAL MICROBIOLOGY. Spring. New Course. A discussion of all aspects of microbiology related to medicine and the health care professions. Beginning with a review of

the history of medical microbiology, the course will examine how scientific knowledge has been accumulated over the past century to result in an essentially disease-free society. Emphasis will be placed on the current theories and practices of disease control with discussions of epidemiology, pathology and immunology. The laboratory will introduce the student to numerous aspects of clinical microbiology and medical procedures. Students will be required to work on a laboratory project culminating in a research paper. (BI 230 and BI 250 or equivalent.) 3 hrs. lect., 4 hrs. lab in 2 sessions. Mr. Baker.

(BI 330 EXPERIMENTAL METHODS IN MICROBIOLOGY)

BI 350 TOPICS IN CELLULAR BIOLOGY. Fall.

BI 401 ADVANCED GENETICS. Fall. New Prerequisites. (BI 314 or BI 225.) Mr. Saul and Mr. McDonald.

BI 405 BEHAVIORAL ECOLOGY AND SOCIOBIOLOGY. Deleted.

BI 408 ADVANCED TOPICS IN CELLULAR BIOLOGY. Deleted.

(BI 415 ADVANCED TOPICS IN PLANT BIOLOGY)

BI 418 PLANT ECOPHYSIOLOGY. Fall. New Course. A seminar on how plants interact with their environment. We will study the important environmental factors that influence plant functioning and the morphological and physiological adaptations of plants to specific environments. Participants will be expected to lead and take part in discussions on current literature in this area. (BI 190 or BI 203 or permission.) Mr. Briggs.

BI 425 TOPICS IN SYMBIOLOGY. Spring. New Course. An advanced discussion of symbiosis in the broadest sense of the word. A critical examination of the current literature in fields ranging from parasitism to obligate mutualism. Topics to be covered will include host-symbiont, host-pathogen recognition, nutrient sharing and exchange, and inter-symbiont communication. Lectures, discussion and student seminars. Students will be required to write at least one critical review of readings from primary sources. (Three of the following: BI 190, BI 201, BI 203, BI 305, BI 314, and permission.) Mr. Baker.

BI 500 ADVANCED STUDY. Fall, Winter, Spring.

BI 750 SENIOR WORK (Environmental Studies). Fall, Winter, Spring.

BI 900 RESEARCH AND THESIS. Fall, Winter, Spring.

+See Biology major program description, paragraph 10.

CHEMISTRY

Faculty Changes: Visiting Instructor: Maggie O'Brien
New Faculty: Assistant Professors: Thomas Copeland, David Reingold
Major Program: Change paragraph 3 to read: Joint Major in Biology and Chemistry: Required for a major: Biology: BI 110 and four electives in biology, or BI 125, BI 250, and three electives in biology: Chemistry: CH 101+, CH 131, CH 211, CH 241, CH 242, CH 351, MA 112, MA 113, PH 109, PH 110, and three additional electives from biology, chemistry, mathematics or physics.

Change paragraph 4 to read: A charge is made for breakage in each laboratory course. A bill for breakage is mailed out at the end of each semester.

CH 101 FUNDAMENTALS OF CHEMISTRY. Fall, Spring.

CH 107 Same as CH 101 but without the laboratory.

*CH 110 CHEMISTRY--THE FORMATIVE YEARS 1800-1915. Fall.

CH 131 SYSTEMATIC INORGANIC CHEMISTRY. Fall, Spring. Ms. O'Brien, Mr. Pool.

CH 137 Same as CH 131 but without the laboratory.

CH 211 ANALYTICAL CHEMISTRY I. Spring.

CH 217 Same as CH 211 but without the laboratory.

CH 241, CH 242 ORGANIC CHEMISTRY I and II. Fall, Spring. Mr. Gleason, Mr. Harnest, Mr. Reingold.

CH 247, CH 248 Same as CH 241, CH 242 but without the laboratory.

CH 322 EXPERIMENTAL BIOCHEMISTRY. Spring. Ms. O'Brien.

CH 341 ORGANIC CHEMISTRY III. Fall. New Description. The main focus of this course is an intensive laboratory experience in the identification of organic compounds with heavy reliance on modern instrumentation, particularly infrared and nuclear magnetic resonance spectroscopy. Experience will be gained in handling mixtures as well as single compounds. Weekly discussion of laboratory problems will permit some consideration of topics not covered in Organic Chemistry I and II. (CH 242.) 6 hrs. lab., 1 hr. discussion. Breakage fee. Mr. Harnest.

CH 347 Same as CH 341 but without the laboratory. Delete.

CH 351 PHYSICAL CHEMISTRY I. Fall.

CH 357 Same as CH 351 but without the laboratory.

(CH 352 PHYSICAL CHEMISTRY II)

(CH 358 Same as CH 352 but without the laboratory.)

CH 421 BIOCHEMISTRY. Fall. Ms. O'Brien.

CH 422 BIOCHEMISTRY. Spring. Mr. Reingold.

CH 431 ADVANCED INORGANIC CHEMISTRY. Spring.

CH 442 ADVANCED ORGANIC CHEMISTRY. Fall. New Description. An extensive treatment of the relationship between structure and reactivity in organic systems. Topics will include thermodynamics, conformational analysis, kinetics, orbital symmetry, bonding theory, and the application of modern spectral techniques to physical organic chemistry. (CH 242.) Mr. Reingold.

(CH 443 ADVANCED ORGANIC CHEMISTRY)

CH 452 PHYSICAL CHEMISTRY III. Spring. New Description. The elements of wave mechanics with chemical applications, atomic and molecular structure, spectroscopy and photochemistry. (CH 351, PH 110.) Mr. Copeland.

CH 500 INDEPENDENT STUDY PROJECT. Fall, Spring.

CH 700 SENIOR WORK. Fall, Winter, Spring.

CHINESE

Faculty Changes: Assistant Professor: John Berninghausen (on leave).

CS 101 BEGINNING CHINESE. Fall. Staff.

CS 102/WT BEGINNING CHINESE. Winter.

CS 201 INTERMEDIATE CHINESE. Fall. Staff.

CS 202 INTERMEDIATE CHINESE. Spring. Staff.

CS 225 CHINESE POETRY IN TRANSLATION. Fall. Staff.

CS 301 ADVANCED CHINESE (MODERN CHINESE). Fall. Mr. Chiang.

CS 302 ADVANCED CHINESE (MODERN CHINESE). Spring. Mr. Chiang.

CS 401 ADVANCED READINGS SEMINAR IN CHINESE INTELLECTUAL AND POLITICAL HISTORY 1839-1919 (in Chinese). Fall. Mr. Chiang.

CLASSICAL STUDIES PROGRAM

Program description and courses remain the same with the following exceptions:

I. Classical Poetry

Bracket:	CL 151	MASTERPIECES OF ROMAN LITERATURE
	EL 213	THE RISE OF THE WEST: ATHENS IN THE 5TH CENTURY
Remove from Brackets:	EL 227	GREEK DRAMA
	CL 421	SEMINAR IN CLASSICAL RHETORIC AND POETIC

II. Classical Philosophy

Remove from Brackets:	PA 247	ANCIENT GREEK PHILOSOPHY
Delete:	PA 401	SEMINAR IN CLASSICAL PHILOSOPHY
Correct:	PA 220	GREEK SCIENCE should be CL 220

CLASSICS

Courses in English

CL 100 INTRODUCTION TO CLASSICAL STUDIES. Fall.

*CL 121 THE CLASSICAL TRADITION OF THE LIBERAL ARTS AND SCIENCES. Fall. (One section of this course, limited to 12 students, will fulfill the freshman writing requirement.)

CL 150 THE ANCIENT EPIC. Spring.

(CL 151 MASTERPIECES OF ROMAN LITERATURE)

(CL 212 CLASSICAL BIOGRAPHY)

CL 220 INTRODUCTION TO GREEK SCIENCE. Spring.

(CL 320 SOCIOLOGY OF THE ANCIENT WORLD)

(CL 420 SEMINAR IN CLASSICAL LITERATURE)

CL 421 CLASSICAL RHETORIC AND POETIC. Fall. Ms. Adler.

Courses in Greek and Latin

CL 101 BEGINNING LATIN. Fall. New Title. Staff. (Meets 5 hours per week.)

CL 202 INTERMEDIATE LATIN. Spring. Staff.

CL 103 ELEMENTARY GREEK. Fall. Staff.

CL 204 INTERMEDIATE GREEK. Spring. Staff.

CL 301 ROMAN POETRY. Fall. New Description. Selected works of Roman poetry. For fall 1980, the course will concentrate on the Aeneid of Vergil. Staff.

CL 302 ROMAN PROSE. Spring.

CL 303 GREEK POETRY. Fall. New Description. Selected works of Greek epic poetry and tragedy. Staff.

CL 304 GREEK PROSE. Spring.

CL 550 ADVANCED READING IN LATIN AND GREEK. Staff.

CL 705 SENIOR ESSAY. Staff.

PROGRAM IN EAST ASIAN STUDIES

All courses remain the same except the following:
Alternative A, Section I and Alternative B, Section I

Delete: PS 210 POLITICS OF DEVELOPMENT
PS 319 EAST ASIAN POLITICAL SYSTEMS

Add: PS 220 ASIAN POLITICS
PS 404 THE POLITICAL ECONOMY OF DEVELOPMENT

Bracket: AR 208 THE ART OF JAPAN
FL 220 MODERN ASIAN FICTION

Adviser changes: Mr. Berninghausen (on leave 1980-81)
Program Coordinator for 1980-81 to be appointed.
Delete Mr. Wheeler as Political Science adviser.

ECONOMICS

Faculty Changes: Assistant Professor Paul Sommers (on leave Fall, Spring)
New Faculty: Christian A. Johnson Distinguished Visiting Professor: Scott Eddie; Visiting Assistant Professor: Zoltan Acs; Instructor: David Audretsch

Major Program: Following the second sentence of paragraph 1 add: (MA 105, a foundations course, is a particularly good preparation for EC 210.).

EC 150 INTRODUCTORY ECONOMICS (MACRO). Fall, Spring.

EC 152 TOWARD ECONOMIC LITERACY. Fall.

EC 155 INTRODUCTORY ECONOMICS (MICRO). Fall, Spring.

EC 210 ECONOMIC STATISTICS. Fall, Spring. Mr. Cornwall, Mr. Audretsch.

EC 211 ECONOMIC STATISTICS: INTRODUCTION TO REGRESSION ANALYSIS. Fall, Spring. Change final sentence of description to read: A weekly one hour lab at the computer center is a required component of this course.

EC 230 THE INDUSTRIAL REVOLUTION AND ITS ANTECEDENTS. Fall.

EC 315 ACCOUNTING. Fall, Spring.

EC 320 THE CORPORATION. Spring.

EC 330 THE ECONOMICS OF DEVELOPMENT. Spring.

EC 335 COMPARATIVE ECONOMIC SYSTEMS. Fall. New Description. An analysis of the alternative methods proposed and used for solving the universal economic problems under different social and political philosophies and forms of government. (EC 150 and EC 155.) Mr. Acs.

EC 350 MACROECONOMIC THEORY. Fall, Spring.

EC 355 MICROECONOMIC THEORY. Fall, Spring. Mr. Claudon.

(EC 360 URBAN ECONOMICS AND THE ECONOMICS OF URBAN PROBLEMS) Offered in 1981-82.

EC 365 ENVIRONMENTAL ECONOMICS. Fall.

EC 370 MONETARY THEORY AND INSTITUTIONS. Spring.

EC 380 RADICAL ECONOMICS. Spring. New Description. An examination and evaluation of radical critiques of the methodology and content of orthodox economics. (EC 150 and EC 155.) Mr. Craven.

(EC 385 LABOR ECONOMICS) Offered in 1981-82.

EC 410 ECONOMETRICS. Spring. New Description. Methods for modelling and testing economic theory. Topics include methods of estimation and inference using the linear regression model and methods of estimation when the assumptions of this model are violated because of errors in variables, serial correlation and simultaneous systems of equations. These methods include generalized least squares, instrumental variables, two-stage least squares and maximum likelihood estimation. An important component of class work will be analyzing the use of statistics in recently published tests of economic theory. Students will be asked to use these methods in a project of their own. Offered in alternative years. (EC 211 and MA 200.) Mr. Cornwall.

(EC 420 MATHEMATICAL MODELS IN MACROECONOMICS) Offered in 1981-82.

(EC 430 INEQUALITY AND POVERTY) Offered in 1981-82.

(EC 435 THE LABOR MANAGED ECONOMY) Offered in 1981-82.

EC 440 THE ECONOMICS OF INTERNATIONAL TRADE. Fall. New Prerequisites. Prerequisites: Delete EC 210.

EC 445 INTERNATIONAL FINANCE. Spring.

EC 450 HISTORY OF ECONOMIC THOUGHT. Spring. New Description. Writings of the most notable contributors to the advancement of economic thought and analysis and critiques of their work are studied and reviewed. Authors include predecessors of Adam Smith and successors to J. M. Keynes. (EC 350 and EC 355.) Mr. Audretsch.

EC 460 INDUSTRIAL ORGANIZATION. Fall.

EC 470 PUBLIC FINANCE. Fall. New Description. Public finance examines the government's role in the economy and how its revenue and expenditure activities affect major economic goals such as stability, growth, efficiency and equity. Public good and externality theory will provide the basic tools necessary for solving policy problems. Using economic analysis a variety of issues, including Social Security, food stamps, unemployment insurance, Medicare and Medicaid, national health insurance, negative income taxation, and the incidence and shifting of various taxes will be evaluated. (EC 355.) Mr. Fleck.

EC 500 INDIVIDUAL SPECIAL PROJECTS. Fall, Spring.

EC 700 SENIOR RESEARCH FOR HONORS. Fall.

Note: Mr. Eddie, the Visiting Christian A. Johnson Professor, will teach a course entitled ECONOMICS OF SOVEREIGNTY ASSOCIATIONS in the Fall. A description of and a number for this course are not yet available.

ENGLISH

Departing Faculty: Assistant Professor: Thomas Moisan

Freshman Writing Program

EL 101 NARRATIVE FICTION. Fall, Spring.

EL 103 LYRIC AND NARRATIVE POETRY. Fall, Spring. Mr. Cubeta, Mr. Pack (Fall), Mr. Hill (Spring).

EL 105 DRAMA. Fall, Spring. Mr. Bertolini,Mrs. Mansfield (Fall); Mr. Littlefield, Mrs. Mansfield (Spring).

EL 107 THE ESSAY. Fall. Mr. Carney.

EL 170 THE STRUCTURE OF FICTION. Fall, Spring. New Title. New Description. An introduction to the reading and writing of some of the forms of fiction. Attention will be given to the technical aspects of selected novels and short stories, which will be analyzed in discussion and written assignments. Other assignments will include exercises in particular structures, such as character and setting, point of view, scene, dialogue and narration. Student stories will be analyzed and discussed. (Permission. See Catalogue.) Mr. Martin, Mrs. Mansfield (Fall), Mr. Gavin (Spring).

EL 175 THE STRUCTURE OF POETRY. Fall, Spring. New Title. New Description. An introduction to the reading and writing of poetry which emphasizes its structural and musical aspects. Exemplary American and English poems will be examined carefully to appreciate, as Frost says, "the easy way the obstacle of verse is turned to advantage." (Permission. See Catalogue.) Mr. Price (Fall), Mr. Gavin (Spring).

Literature

*EL 110 CONTINENTAL FICTION. Spring.

(*EL 111 EUROPEAN DRAMA: RENAISSANCE TO MODERN) Offered in 1981-82.

(*EL 112 MYTHOLOGIES TIMELESS AND TIMELY,TRADITIONAL AND CONTEMPORARY) Offered in 1981-82.

EL 201 INTERPRETATION OF LITERATURE: CHAUCER, SHAKESPEARE, MILTON. Fall. Staff.

EL 202 INTERPRETATION OF LITERATURE: DONNE TO YEATS. Spring. New Title.

EL 206 THE EARLY NOVEL. Fall. New Description. The development of the English novel in the 18th century. Novelists to be read include Defoe, Swift, Richardson, Fielding, Smollett and Sterne. Mr. Prickitt.

EL 207 NINETEENTH CENTURY FICTION. Fall.

EL 208 THE TWENTIETH CENTURY ENGLISH NOVEL. Fall, Spring. Mr. Price (Fall), Mr. Elder (Spring).

(EL 211 CLASSICS OF LITERATURE: GREECE) Offered in 1982-83.

(EL 212 MODERN BRITISH POETRY) Offered in 1981-82.

(EL 213 THE ORIGINS OF WESTERN HISTORY: ATHENS IN THE FIFTH CENTURY B.C.) Offered in 1981-82.

EL 224 MEDIEVAL AND RENAISSANCE DRAMA. Spring. New Description. A study of Elizabethan and Jacobean dramaturgy as practiced by such masters of comedy and tragedy as Marlowe, Jonson, Shakespeare, Webster and Ford, with medieval drama as a background. Mr. Bertolini.

EL 227 GREEK DRAMA. Fall. New Description. A study of selected plays of Aeschylus, Sophocles, Euripides and Aristophanes, with attention to their origin in religious worship as well as their relation to the political and philosophical concerns of Athens in the 5th century B.C. Mr. Littlefield.

EL 229 MODERN BRITISH DRAMA. Fall. New Course. British drama in the 20th century has been a continuing search for a new dramatic language and for dramatic forms. Among the leaders of this search are the following playwrights: G. B. Shaw, T. S. Eliot, Samuel Beckett, Harold Pinter, Tom Stoppard, John Osborne. This course will explore representative plays by them, as well as by those who have written for the commercial theater, such as Noel Coward, Terrence Rattigan, Robert Bolt and Anthony Shaeffer. Connections with modern British cinema will be made. Mr. Bertolini.

EL 302 MEDIEVAL LITERATURE. Spring. Mr. Prickitt.

(EL 303 ENGLISH LITERATURE OF THE SIXTEENTH CENTURY) Offered in 1981-82.

AL 304 MODERN AMERICAN POETRY. Spring. For description, see American Literature listings.

EL 304 ENGLISH LITERATURE OF THE SEVENTEENTH CENTURY. Spring. New Description. A survey of the thought and literature of the 17th century. Selected works of both prose and poetry by Bacon, Burton, Jonson, Donne, Herbert, Marvell, Hobbes and Milton, with attention to the historical and cultural background of the period. Mr. Littlefield.

(EL 305 POETRY AND PROSE OF THE ENGLISH AUGUSTAN AGE) Offered in 1981-82.

EL 306 POETRY OF THE AGE OF JOHNSON. Deleted.

EL 313 ENGLISH ROMANTICISM. Fall. Mr. Hill.

EL 314 VICTORIAN POETRY. Spring.

EL 315 LITERARY CRITICISM. Spring.

(HI 318 ENGLISH HISTORY AS A BACKGROUND FOR ENGLISH LITERATURE) Offered in 1981-82.

EL 321 SHAKESPEARE. Spring.

EL 404 GEOFFREY CHAUCER. Fall. (No longer a seminar course.)

Seminars

EL 401 SEMINAR: JOHN MILTON. Deleted.

EL 402 SEMINAR: WORDSWORTH AND THE POETRY OF NATURE. Fall. New Course. We will

undertake an intensive study of Wordsworth's poetry, including the Lyrical Ballads, The Excursion, The Prelude and the sonnets. The poet's letters and biography will provide us with a context for such study, as will the responses to his work by his contemporaries Coleridge and Hazlitt. The last part of the course will focus on readings from 20th century writers, so that we may register the importance of Wordsworth's continuing influence on the poetry of nature. Mr. Elder.

EL 403 SEMINAR: WILLIAM WORDSWORTH AND WALLACE STEVENS. Deleted.

EL 404 GEOFFREY CHAUCER. Fall. New Title. No longer a seminar course.

EL 406 SEMINAR: JAMES JOYCE. Deleted.

EL 407 SEMINAR: WILLIAM BUTLER YEATS. Spring.

EL 408 SEMINAR: LITERATURE AND LAW. Fall. New Course. The major literary works of the course are Sophocles' Antigone, Dostoyevsky's The Brothers Karamazov, and Richard Wright's Native Son. One persistent issue of the course is the effect of cultural factors on the forms and substance of a justice system. Major works related to law are Karl N. Llewellyn's The Bramble Bush, Willard Gaylin's Partial Justice, and Charles Silberman's Criminal Violence, Criminal Justice. The major effort of the course will be to assess the tension between the general values embodied in a legal code and the process of adjudication of a particular offense. Mr. Littlefield.

EL 409 SEMINAR: WOOLF AND RHYS. Spring. New Course. Virginia Woolf influenced the direction of 20th century literature through such novels as To The Lighthouse, Mrs. Dalloway and the Waves. Jean Rhys carried modern influences from her 1929 Quartet through the 1960's, with the publication of Wide Sargasso Sea. The seminar will consider the major novels of these two British writers, with particular emphasis on their exploration of human consciousness through narrative innovation. Readings will include appropriate essays and diary material. Mrs. Mansfield.

EL 413 SEMINAR: CHARLES DICKENS. Deleted.

EL 423 SEMINAR: SHAKESPEAREAN TRAGEDY. Spring. New Course. An intensive scrutiny of language, character and theme in several of Shakespeare's major tragedies. Limited to juniors and seniors. Preference given to non-English majors. Not open to those who have taken EL 321 or EL 322. Mr. Cubeta.

Writing

EL 260 INTERMEDIATE WORKSHOP: NONFICTION. Fall, Spring. New Title. New Description. In this course, students will study and practice the techniques of nonfiction prose writing through examination of student work and through analysis of expository prose, essays and journalism. Mr. Hill (Fall), Mr. Carney (Spring).

EL 270 INTERMEDIATE WORKSHOP: FICTION. Fall, Spring. New Title. New Description. Study and practice in techniques of fiction through workshops and readings in short stories and novels. Emphasis will be placed on revision; individual conferences with the instructor will be arranged. (EL 170 or EL 175.) Mr. Martin (Fall), Mrs. Mansfield (Spring).

EL 275 INTERMEDIATE WORKSHOP: POETRY. Fall. New Title. New Description. Students are encouraged to experiment in different forms in order to broaden their sense of the expressive possibilities of poetic design and to enhance their own technique and style. The class will meet twice a week to discuss samples of contemporary poetry and each other's work in the spirit of frank but helpful criticism. Emphasis will be placed on the revision of poems in the belief that the longer the imagination dwells on a poem's possibilities, the more powerful will be the resulting invention. Active participation in discussion is expected of all students. Individual conferences with the instructor will be arranged. (EL 170 or EL 175.) Mr. Pack.

EL 460 ADVANCED WORKSHOP. Fall, Spring. New Title. New Description. A workshop course of advanced students in poetry, fiction and non-fiction. Individual projects at progressive stages of their composition will be discussed in workshop sessions and in conferences with instructors. Visiting writers will participate in the workshops from time to time. (EL 260, EL 270 or EL 275.) May be taken more than once. Mr. Gavin (Fall), Mr. Pack (Spring).

Special Projects and Senior Program copy remains the same as in the Catalogue.

PROGRAM IN ENVIRONMENTAL STUDIES

Major Program: Between the second and third sentences of paragraph 2 add: All major tracks require a core of the following: BI 190 (General Ecology), MA 112 (Mathematical Analysis I), a course in Economics and a course in statistics and computer use. The latter is chosen in consultation with the track adviser from several offered in various departments. In addition, at least two semester courses in Senior Research are required of all Environmental Studies majors.

Minimum Requirements for a Major in Environmental Studies:

Ecology (Biology Department) - BI 190 and 311 + 3 upperclass Biology and 2 Senior Thesis.
plus: a) MA 112, statistics and computer use + 4 semesters of Chemistry, Physics or Geology.
b) 1 semester of Economics + 4 other pertinent non-science courses.

Environmental Chemistry (Chemistry Department) - 5 upperclass Chemistry + 2 Senior Thesis.
plus: a) BI 190, MA 112 and 113, statistics and computer use + 2 semesters of Physics.
b) 1 semester of Economics + 3 semesters of Geography or other cognate courses with permission.

Environmental Geography (Geography Department) - 5 upperclass Geography + 2 Senior Thesis.
plus: a) BI 190, MA 112, statistics and computer use + 3 semesters of Biology, Chemistry, Geology or Physics.
b) 1 semester of Economics + 4 semesters of pertinent cognate courses in Economics, History, Political Science or Sociology.

Environmental Geology - No Changes.

Environmental Physics (Physics Department) - 2 upperclass Physics electives + 3 Senior Thesis + comprehensive exam.
plus: a) MA 112, 113 and 201 + PH 109, 110, 210 and 212.
b) BI 190, statistics and computer use + 3 semesters of Biology, Chemistry or Geology.
c) 1 semester of Economics + 3 semesters of pertinent non-science.

Environmental Economics (Economics Department) - EC 150, 155, 355, 365, 470 + 2 Senior Thesis.
plus: a) BI 190, MA 112, statistics and computer use + 2 semesters of Chemistry, Physics or Geology.
b) 5 semesters pertinent cognate courses in Political Science, Sociology or Geography.

FRENCH

Faculty Changes: Associate Professor: Edward Knox (in Paris in 1980-81); Assistant Professor: Bethany Ladimer (returning from leave); Instructor: Mireille Barbaud (from Assistant).
Departing Faculty: Instructor: Rene Prieto

Major Program: Change sentence #2 in paragraph 3 to read: Students particularly interested in French civilization whould consider not only FR 206, 222 and 313, but also those literature courses designed with a major socio-cultural component (FR 312 and 315), courses in other departments which deal in some depth with France (e.g. AR 305, HI 103-104, PS 225, PS 404 etc.), and the Middlebury summer and Paris programs.

FR 101 INTENSIVE BEGINNING FRENCH. Winter.FR 102 BEGINNING FRENCH. Spring. New description. Continuation of FR 101, dealing with mroe complex French. Oral skills are stressed. (Some students who have already had French may enroll directly with permission.) Mr. Barenbaum.

*FR 115 REALISM: FRENCH FICTION FROM STENDHAL TO PROUST. Spring. New Course. Foundations Course. This course will study the development of the realist novel and its eventual turn towards a new, subjective reality in five major novels by Stendhal, Balzac, Flaubert, Zola and Proust. It will center on the examination of the novels themselves, but it will also incorporate aspects of French social history from Napoleon through the Dreyfus affair. Our goals will be a better understanding of the complex interrelationship of literature and society and the appreciation of five rich, multi-faceted and fascinating literary works. Ms. Rifelj.

FR 201 INTERMEDIATE FRENCH. Fall, Spring.

Prerequisites to the Major

FR 205 TOWARD LIBERATED EXPRESSION. Fall, Spring.

FR 206 INTRODUCTION TO CONTEMPORARY FRANCE. Fall, Spring.

FR 207 INTRODUCTION TO FRENCH POETRY. Spring.

FR 208 INTRODUCTION TO FRENCH THEATER. Fall, Spring.

FR 209 INTRODUCTION TO FRENCH PROSE. Fall, Spring.

Language, Literature, Civilization

FR 215 WRITING IN FRENCH. Spring.

FR 222 FACETS OF A CHANGING FRANCE. Spring.

FR 305 ADVANCED LANGUAGE PRACTICE. Spring.

(FR 310 LITERATURE AND SOCIETY IN THE ANCIENT REGIME)

FR 312 THE FRENCH NOVEL IN THE AGE OF ENLIGHTENMENT. Fall. New Course. Readings in the novel and conte, largely in the 18th century, with special emphasis on l'esprit philosophique. How did the philosophes view their century, how did novelists view their society? Authors will include Marivaux, Prévost, Voltaire, Diderot and Rousseau. Ms. O'Connor.

FR 313 FRENCH CIVILIZATION IN THE TWENTIETH CENTURY. Fall.

FR 315 THE NINETEENTH CENTURY NOVEL. Fall. Ms. Zuses.

(FR 316 NINETEENTH CENTURY POETRY)

FR 317 MODERN FRENCH THEATER. Spring.

FR 318 TWENTIETH CENTURY POETRY. Fall. New Course. Special attention will be given to the Surrealist movement. We will study its effect on 20th century poets--including Eluard, Aragon, Reverdy, Supervielle, Max Jacob and others. Ms. Barbaud.

FR 320 THE TWENTIETH CENTURY FRENCH NOVEL. Spring. We shall study how time and space, two major elements in the 20th century novel, emanate from the increasing anthropocentricity of "Man's" world. Both sociological and psychological in its approach to the problem of the human condition, the novel also displays an extreme concern with the nature of the genre itself. Authors will include Proust, Malraux, Sartre, Butor and Beckett. Ms. Ladimer.

FR 321 FRENCH CLASSICAL THEATER. Fall.

(FR 331 THE FRENCH NOVEL AND THE CRISES OF "FEMININITY")

(FR 350 FRENCH CINEMA)

FR 442 WORKSHOP IN FRENCH THEATER. Spring.

FR 500 INDEPENDENT PROJECTS. Fall, Spring.

FR 700 SENIOR RESEARCH. Fall, Winter, Spring.

(FR 704 SENIOR SEMINAR)

GEOGRAPHY

Faculty Changes: Professor: Rowland Illick (returning from leave); Assistant Professor: Robert Churchill.
Departing Faculty: Phillip Frankland, Barry Glick.

CORE COURSES

GG 100 THE GEOGRAPHIC PERSPECTIVE. Fall, Spring.

GG 201 TECHNIQUES OF ENVIRONMENTAL ANALYSIS. Fall, Spring. Mr. Hanson.

GG 202 CARTOGRAPHY AND GRAPHICS. Spring. Mr. Churchill.

GG 250 PHYSICAL EARTH PROCESSES. Fall.

GG 260 HUMAN GEOGRAPHY. Spring. Mr. Hanson.

GG 300 RESEARCH METHODS IN GEOGRAPHY. Fall. Staff.

GG 301 ADVANCED QUANTITATIVE METHODS IN GEOGRAPHY. Spring. Mr. Hanson.

GG 451 SEMINAR IN ECONOMIC GEOGRAPHY

GG 452 SEMINAR IN PHYSICAL GEOGRAPHY

GG 453 SEMINAR IN QUANTITATIVE METHODS IN GEOGRAPHY

GG 454 SEMINAR IN URBAN GEOGRAPHY

NON-CORE COURSES

GG 330 SOUTH AND EAST ASIA

GG 331 MIDDLE EAST AND NORTH AFRICA

GG 351 THE URBAN WORLD: PATTERNS, PROBLEMS AND POLICIES. Spring. Staff.

GG 352 THE GEOGRAPHY OF DEVELOPMENT. Fall. Staff.

GG 353 NATURAL NAZARDS. Spring. Mr. Churchill.

GG 354 WEATHER AND CLIMATE. Fall. Staff.

GG 500 RESEARCH IN GEOGRAPHY. Fall, Spring. Staff.

GG 700 SENIOR RESEARCH. Fall, Winter, Spring. Staff.

GEOLOGY

Faculty Changes: Professor: Brewster Baldwin (returning from leave); Assistant Professor: William Glassley (on leave).
Major Program: Change last sentence of paragraph 2 to read: Although providing a useful introduction to the field, this course is intended particularly for students who are not planning to major in geology. Students may not count both GL 102 and GL 172 in the eleven-course minimum requirement for the major.

*GL 102 DYNAMIC EARTH. Spring.

GL 112 ENVIRONMENTAL GEOLOGY. Spring. (No longer bracketed.)

GL 161 ELEMENTS OF OCEANOGRAPHY. Fall.

*GL 172 GLOBAL TECTONICS. Fall. Staff.

GL 192 PLANETARY GEOLOGY. Spring. Mr. Coish.

GL 201 BEDROCK GEOLOGY OF VERMONT. Fall.

GL 252 GEOMORPHIC PROCESSES. Spring. Mr. Baldwin.

GL 342 MARINE GEOLOGY. Spring.

GL 381 STRUCTURAL GEOLOCY. Fall. Staff.

GL 392 IGNEOUS PETROLOGY. Spring. Mr. Coish.

GL 461 STRATIGRAPHY AND PALEONTOLOGY. Fall.

(GL 481 GEOPHYSICS)

GL 491 METAMORPHIC PROCESSES. Spring. Staff.

GL 492 ADVANCED PETROLOGY. Fall. Mr. Coish.

GL 550 READINGS AND RESEARCH. Fall, Spring.

GL 750 SENIOR RESEARCH.

GERMAN

Departing Faculty: Assistant: Susanne Jantke
New Faculty: Assistant: Verena Schauder

Major Program: Change first sentence in paragraph 2 to read: Honros: To be a candidate for honors, a student must have an average of at least B+ in German.

GN 101 ELEMENTARY GERMAN. Fall.

GN 102 ELEMENTARY GERMAN. Spring.

GN 201 INTERMEDIATE GERMAN. Fall.

GN 202 ADVANCED GERMAN. Spring.

GN 301 ADVANCED WRITING AND INTRODUCTION TO LITERARY CRITICISM. Fall.

GN 302 READINGS IN LITERATURE, HISTORY, AND POLITICAL SCIENCE. Fall.

(GN 303 STYLISTICS)

(GN 305 THE GERMAN NOVELLE I)

GN 306 THE GERMAN NOVELLE II. Fall. New Description. This course will follow one genre, the Novelle, as it evolves through a century and a half of German writing. The aim of the course is to acquaint the student with the development of a form through several literary periods and with the companion critical concepts which serve it. Readings will range from Goethe to Kafka. Mr. Vail.

GN 307 THE GERMAN NOVELLE III. Spring. New Description. Modern German short stories and Novellen, written between the late 1940's and the present, will be analyzed to trace the concerns, preoccupations, themes and literary styles of contemporary German authors. Mr. Vail.

GN 310 GERMAN IN ITS CULTURAL CONTEXTS. Spring. New Description. In working with the vocabulary and syntactical structures for specific contexts, students will acquire an understanding of various aspects of contemporary German culture. Topics include the political system, the economy and the banking system, education, Beamtentum and the social class structure, the leisure time industry and tourism, and the media. (GN 301 or 302.) Mr. Huber, Ms. Kenna.

(GN 315 GERMAN DRAMA)

(GN 320 THE WORKS OF BERTOLT BRECHT)

(GN 401 EMERGENCE OF GERMAN AS A LITERARY LANGUAGE)

(GN 402 ESTABLISHMENT OF GERMAN AS A LITERARY LANGUAGE)

(GN 406 ROMANTICISM)

GN 410 GERMAN LYRIC POETRY (SENIOR SEMINAR). Spring. New Course. An introduction to the history and interpretation of German poetry. The first half of the course examines the poetic treatment of such grand preoccupations as Love, Hope, Death and Disease by juxtaposing poems drawn from the Baroque to the present. The last half of the course deals with modern movements and trends such as Dada, Expressionism, Konkrete Lyrik and Stochastic Poetry. A short critical essay will be read each week. Several short exercises and one major paper. (A 300- or 400-level literature course in German.) Mr. Sparks.

(GN 415 THE GERMAN NOVEL)

(GN 420 MODERN GERMAN LITERATURE)

(GN 421 TWENTIETH CENTURY LITERATURE)

GN 422 INSIDERS AND OUTSIDERS--LITERATURE AND CULTURE OF THE WEIMAR YEARS. Fall. New description. Beginning with Fallada's Kleiner Mann, was nun? the course will attempt to sketch an outline of the social, political and literary scene in Germany between 1919 and 1933. Other literary texts will include: Doblin's Berlin Alexanderplatz, Toller's Hinkemann and selected poems by Benn, Becher, Weinert, et al. In addition, non-literary documents will be read and discussed to provide a more precise background. Films such as Menschen in Deutschland (1932) will be used as well.

GN 500 INDEPENDENT STUDY

GN 700 HONORS WORK

HISTORY

Faculty Changes: Assistant Professor: John McCardell (on leave).

Major Program: In paragraph 3, replace the final sentence with the following: Upon recommendation of the student's adviser, HI 313 and HI 314 may count toward the Non-Western field. A student with Advanced Placement in American History may take HI 203. One course may count towards the fulfillment of both these requirements. A Winter Term course, except for HI 700, does not fulfill the requirements for the major.

Material on HI 100-399, LECTURE COURSES; HI 401-419, RESEARCH SEMINARS; HI 420-440, READINGS COURSES; HI 500, SPECIAL RESEARCH PROJECTS; HI 700, SENIOR INDEPENDENT STUDY; and HI 705, TEACHING ASSISTANTSHIP, remains the same.

Foundations Courses

*HI 103 TURNING POINTS IN EARLY MODERN HISTORY. Fall.

*HI 104 THE FORMATION OF THE NATION STATE IN WESTERN EUROPE, 1600 TO MODERN TIMES. Spring.

European History

HI 201 ROMAN HISTORY: THE REPUBLIC. Fall.

HI 202 ROMAN HISTORY: THE EMPIRE. Spring.

HI 313 RUSSIAN HISTORY TO THE GREAT REFORMS. Fall.

HI 314 RUSSIAN HISTORY FROM THE GREAT REFORMS TO THE PRESENT. Spring. New Description. A study of the social, economic and political causes and consequences of the Russian revolutions of 1905 and February and October, 1917 as a basis for understanding the dilemmas of the Soviet system. The course will be divided equally between the pre- and post-revolutionary periods with a final segment on the nature of contemporary Soviet society. Mr. Macey.

HI 315 HISTORY OF MODERN EUROPE, 1815-1900. Fall.

HI 316 HISTORY OF MODERN EUROPE, 1900-1968. Spring.

HI 317 HISTORY OF FRANCE, 1750-1940. Spring. New Description. An introduction to French history from the Old Regime to the Third Republic, this course will examine those historical experiences that have been fundamental in the making of modern France. Concentrating on the interrelationships between social, economic, and intellectual history, primary attention will be devoted to France's successive crises, both revolutionary and non-revolutionary, and the continuities which not only underlay them but also link them to the political consolidation and economic and social modernization of the 20th century. Mr. Macey.

(HI 318 ENGLISH HISTORY AS A BACKGROUND FOR ENGLISH LITERATURE)

HI 320 THE USES OF BIOGRAPHY. Spring. New Course. A study of how biography has been used in English history. The course will be by discussion and we shall read one or two biographies each week. Since they will be paperbacks and availability is uncertain, the books will presumably change somewhat each year. At present we shall begin with Eleanor of Aquitaine, go through Froissart and Thomas More, look at some 18th century and Victorian figures and end in the 20th century. Mr. Tillinghast.

(HI 325 THE CIVILIZATION OF THE DARK AGES)

(HI 326 THE MEDIEVAL OUTLOOK, 1050-1300) OFFERED IN 1981-82.

HI 327 EUROPE IN THE RENAISSANCE. Fall. New Description. The course will include the period from roughly 1300 to 1580. There will be no coverage of the Reformation and its antecedents; these will be handled in HI 328. The major focus will be on the background of the cultural events of the period. Mr. Tillinghast.

HI 328 THE REFORMATION. Spring. New Description. An attempt to tie religious currents in the late Middle Ages to the teachings of the earlier Reformers. The stress will be on the relationship between developing religious needs and the prevailing currents in thought and society. Mr. Tillinghast.

(HI 411 WRITING AND RESEARCH, WAR OF ILLUSIONS: HOW THE FIRST WORLD WAR BEGAN)

HI 414 EUROPEAN REVOLUTIONS AND REVOLUTIONARIES, 1787-1921. Fall. New Description. Students enrolled in this course will be able to select topics from within the full range of social, political and intellectual problems associated with the revolutionary phenomenon in Europe from the French Revolution of 1789 through the revolutionary manifestations of 1830, 1848 and 1871 to the Russian and German Revolutions of 1917 and 1918 as well as specific revolutionaries and revolutionary parties and movements within the revolutionary tradition. Each student will be required to produce a long research paper based as far as is possible on primary sources. Mr. Macey.

HI 418 WRITING AND RESEARCH IN ENGLISH CHURCH HISTORY. Spring.

HI 421 GERMANY 1918-1933: THE WEIMAR REPUBLIC AND THE RISE OF THE NAZI MOVEMENT. Fall. New Description. Through eyewitness accounts, testimony and autobiographies, the seminar will try to reach some vision of what it was like in Germany in the 1920's and early 1930's, and what Germans thought and felt about National Socialism at the time. To balance the immediacy and personal nature of this on-the-spot view, assignments in the writings of recent historians enjoying the advantage of hindsight will provide a different angle of view. In this way the seminar will also work toward a broad understanding of the long-run conditions out of which Hitler and the Nazi party rose to power. Miss Lamberti.

HI 423 THE STUART PERIOD. Fall. New Description. A study of the political and constitutional crises of the 17th century which led to the execution of a king, England's experiment with republican government, the restoration of the monarchy, and the overthrow of the Stuart house in 1688. Mr. Tillinghast.

(HI 425 HENRY VIII AND THE HISTORIANS) Offered in 1981-82.

(HI 427 CRITICISM AND THE BIRTH OF THE MODERN WORLD: MARX, ENGELS AND MARXISM)

(HI 428 ENGLAND 1530-1689: PROTEST AND REBELLION IN ENGLISH RELIGIOUS THOUGHT)

(HI 431 MYSTICS, MARTYRS AND MORALISTS: REFORMATION AND REVIVAL IN ENGLAND BETWEEN 1530 AND 1830)

HI 500 SPECIAL RESEARCH PROJECTS. Fall, Spring.

American History

HI 203 UNITED STATES HISTORY, 1492-1861. Fall. Mr. Catton and Staff.

HI 204 UNITED STATES HISTORY, 1861-1977. Spring. Mr. Catton and Staff.

HI 302 ECONOMIC HISTORY OF THE UNITED STATES. Delete.

(HI 303 THE ERA OF THE AMERICAN REVOLUTION, 1763-1800)

HI 305 TWENTIETH CENTURY AMERICA, 1900-1940. Fall. New Description. A study of the political and social history of the United States during the early 20th century, concentrating on the Progressive Era, the First World War, and 1920's, the Great Depression, the New Deal and the coming of World War II. Mr. Jacobs.

HI 306 TWENTIETH CENTURY AMERICA 1941-1980. Spring. New Description. A study of the political and social history of the United States during the mid-20th century, concentrating on World War II, the Cold War, and postwar America from Truman's Fair Deal to the New Frontier, the Great Society, Nixon, the 1970's and the end of an era of progressivism. Mr. Jacobs.

HI 307 BLACK HISTORY. Spring. New Description. An examination of the Black experience in America. The nature of slavery and freedom, the signigicance of migration and urbanization, and the various strategies employed by Blacks to gain equality and a sense of identity throughout American history will give general focus to the course. The social, economic and political structure of a black community in an urban and a rural environment will receive close attention. Mr. Cox.

(HI 308 AMERICAN INTELLECTUAL HISTORY)

HI 311 AMERICAN DIPLOMATIC HISTORY. Fall.

(HI 380 CIVIL WAR AND RECONSTRUCTION)

HI 402 WRITING AND RESEARCH IN AMERICAN HISTORY. Spring.

HI 420 GREAT AMERICAN HISTORIANS. Fall. Mr. Jacobs, Mr. Hathaway

HI 435 READINGS IN AMERICAN HISTORY. Fall, Spring. New Description. Readings will focus on various periods and topics in American history, such as the Revolutionary Era, the Civil War Period, and 20th Century Reform. Staff.

Non-Western

HI 207 IMPERIAL CHINA. Fall. Staff.

HI 210 MODERN MIDDLE EAST HISTORY. Spring. New Description. An introduction to the history of the Middle East with particular emphasis on the evolution of today's explosive situation there. Mr. Spencer.

HI 211 AFRICAN HISTORY. Fall.

HI 331 MODERN EAST ASIA, 1750-1912. Fall. (This course is no longer closed to those who have taken HI 208 or HI 209.)

HI 332 MODERN EAST ASIA, 1912-1976. Spring. (This course is no longer closed to those who have taken HI 208 or HI 209.)

(HI 413 WRITING AND RESEARCH, IMPERIALISM)

HI 424 COMMUNISM IN CHINA. Spring. Staff.

HI 430 READINGS IN CHINESE HISTORY. Fall. New Title. (Description not yet available.)

HI 500 SPECIAL RESEARCH PROJECTS. Fall, Spring.

ITALIAN

See SPANISH/ITALIAN

PROGRAM IN LITERARY STUDIES

The Program in Literary Studies draws upon the combined resources of the individual language and literature departments, and provides undergraduates with access to the literature curriculum as a whole; as a consequence, it enables them to achieve a broad awareness of a variety of major western literatures of different periods (in addition to the literature of China), while at the same time requiring them to demonstrate a mastery of a single body of literature (e.g., works limited to a particular language, period, or genre).

The over-all design of the program is simple. Each literary studies major is required to take a total of fifteen courses in literature during his four years at Middlebury College. No more than six of these courses may be taken within a single department, and no more than ten in either the Humanities or Foreign Languages division, but in general the courses may be selected from the literature of any language and of any period; they can be wide-ranging surveys or courses devoted to the study of single authors. The specific selection of courses is entirely up to the student, but in order to fulfill the requirements for the major he will be obliged to take: (a) two courses from the list below--one generally historical, one generally theoretical in its orientation--as prerequisites for entry into the program, (b) one course at the 300-level in a foreign language (including Greek and Latin), and (c) a colloquium for majors (taught jointly by two faculty members, one from Humanities and one from Foreign Languages), to be taken during the fall semester of the senior year. In addition, the student should be aware that at the conclusion of an

independent reading course for which he will be enrolled during the fall semester and winter term of his senior year, he will be scheduled to take a five-hour written comprehensive examination, to be followed by a one-hour oral examination in the area of specialization (as described below).

The written examination will require the student to demonstrate a thorough knowledge of major works by the authors listed below. For reasons of practicality, the list of authors whose works are actually covered on the comprehensive examination in any given year is limited to twelve. These twelve authors will vary from year to year, but they will not be specified in advance.

The following list will give the student a general sense of the range of works which it is presumed he will be prepared to discuss at some length:

Homer	Montaigne	Melville
Aeschylus	Shakespeare	Dostoevsky
Sophocles	Cervantes	Tolstoy
Euripides	Milton	Conrad
Thucydides	Goethe	Mann
Virgil	Swift	Joyce
Augustine	Wordsworth	Eliot
Dante	Emerson	Kafka
Rabelais		Faulkner

In addition to works by authors whose names will appear on a Primary List of this kind, in the course of the comprehensive examination each literary studies major will be expected to demonstrate his acquaintance with the Old and New Testaments (especially Genesis, Psalms, Job, Song of Songs, Matthew, John, Revelations, and the Epistle to the Romans), as well as principal works of Plato, Aristotle, Rousseau, Marx, and Freud.

To summarize, then: beyond the two courses required for entry into the Program (which may be counted toward the major), the 300-level foreign language course, the senior year colloquium and independent reading course, and the total of fifteen courses, the general, defining requirement for the Literary Studies major is the comprehensive examination, the overall content of which will be known to the student at the start of his undergraduate career. But in the process of completing this general literature requirement, the student will also be expected to complete a specialization in the literature of a particular culture (e.g., German, English, American, Classical), or period (e.g. the 18th century), or genre (e.g. the novel). The specific authors and texts required for each such specialization will be determined by the Program Committee--where appropriate (e.g. for a specialization in French literature), with the consultation of the particular department involved. In the senior year, after the five-hour written comprehensive examination, the student will take a one-hour oral examination in the area of specialization; this examination will be administered by two faculty members, one from each division.

In sum, after completing all the specified requirements, the student will be graduated from Middlebury College as a Literary Studies major with a specialization in Classics, or lyric poetry, or the nineteenth century, etc. Should he wish to pursue graduate study, depending on the nature of his interests and preparation, he could presumably choose to do so in such fields as English or American Literature, Comparative Literature, or a specific foreign language; in addition, he would have a secure background for further studies in law, political philosophy, religion, and cultural and intellectual history.

Students will be eligible for honors if their combined performance in literature courses and on the two parts of the comprehensive examination indicates that they have achieved an average grade of B+ or higher. Honors will be awarded on the basis of a senior essay of thirty to forty pages to be completed during the spring semester of the senior year (this project counts as one course); a one-hour oral examination on the content and implications of this essay is also required, and, as in the case of the oral examination in the area of specialization, this examination will be conducted by two faculty members, one from each division.

Here, then, is an outline of the structure of the program:

Major Requirement: Total of fifteen courses (no more than ten in either division, no more than six in any one department). Note: Enrollment in this program serves to fulfill the Concentration requirement.

(1) As prerequisites for entry into the program, two of the following courses--one from each category--as currently offered. (Asterisks indicate Foundations Courses):

Historical

*CL 121 THE CLASSICAL TRADITION. Ms. Adler.

CL 150 ANCIENT EPIC. Ms. Adler.

*HM 150 FOUNDATIONS OF THE WESTERN INTELLECTUAL TRADITION. Mr. Bates, Mr. Nuovo.

*RE 110 INTRODUCTION TO WESTERN RELIGIOUS LIFE AND THOUGHT. Mr. Rockefeller.

*PS 101 INTRODUCTION TO POLITICAL SCIENCE. Mr. Dry, Mr. Nelson.

Theoretical

*EL 112 MYTHOLOGIES. Mr. Littlefield.

*FL 201 INTRODUCTION TO LINGUISTICS. Ms. Olinick.

*FL 251 LITERATURE AND REVOLUTION. Mr. Veguez, Mr. Berninghausen.

(2) One course at the 300-level in a foreign language.

(3) At least four literature courses, but no more than six, to be taken within a single department. (Courses in Language instruction may not be counted toward this requirement.)

(4) Area of specialization (by genre, period, or national literature). A one-hour oral examination, to be taken after the written comprehensive examination in the senior year, is devoted to this area of specialization. The texts required for this examination will be determined in advance by the Program Committee--where appropriate (e.g., in the case of a specialization in French literature, English literature, etc.) with the consultation of the particular department involved.

(5) Senior Colloquium for majors (open to non-majors if space is available), taught jointly by one member of the English or American literature department, and one member of a foreign language department. This Colloquium is offered during the fall semester of the senior year, and will be listed for the first time in 1981-82.

(6) Senior Independent Reading Course in preparation for the comprehensive examination: Fall semester and Winter Term. Students engaged in such preparation may choose to meet informally (or regularly) with one another, and may solicit informal faculty participation in discussions of individual texts.

(7) Comprehensive Examination (on works on Primary and Secondary Lists), to be taken at the end of the winter term of senior year. The examination will be in two parts:

(a) a five-hour written examination concerned with authors and works appearing on the Primary and Secondary readings lists,

(b) a one-hour oral examination to be administered by two examiners (one from each division) in an area of specialization (i.e., a single period, genre, or national literature).

(8) Students achieving an average grade of B+ or higher in the Program will be eligible for honors. Honors will be awarded on the basis of a Senior Honors Essay of 30-40 pages, to be completed (for one course credit) during the spring semester of the senior year; a one-hour oral examination on the content of this essay--to be administered by two examiners, one from each division--will also be required.

The Literary Studies Program is administered by a Director, who serves as chairman of a Program Committee made up of representatives of each of the participating departments (one member per department). This Program Committee establishes the Primary List for the comprehensive examination; each of the participating departments will recommend for inclusion on that list the names of three major authors of three different periods. In addition, the Program Committee is responsible for determining the subsidiary lists of authors and texts required for specializations (e.g., in the novel, the sixteenth century, etc.).

MATHEMATICS

Faculty Changes: Assistant Professors: William Beckmann (from Instructor); Robert Martin (returning from leave).
New Faculty: Associate Professor: James Krupp (Director of Academic Computing).

Major Program: In the next to last paragraph, the reference to MA 423 should be changed to MA 325.

*MA 105 FINITE MATHEMATICS: PROBABILITY, STATISTICS AND MATRICES. Fall. Mr. Emerson, Mr. Martin.

*MA 107 FOUNDATIONS OF MATHEMATICS. Spring. Mr. Olinick.

MA 111 FROM CONTINUOUS FUNCTIONS TO THE CALCULUS. Winter, Spring. New Course. A course for students with only two or three years of secondary school mathematics. This course integrates the material prerequisite to calculus with calculus itself. Algebra, graphs and properties of continuous functions are studied as these topics relate to the calculus. Trigonometric functions, analytic geometry, logarithms and exponential functions will be integrated into the course as the need arises. MA 111 begins in Winter Term and continues through the end of spring term. Regular course credit and a Winter Term credit are assigned to those students who successfully complete the course. (Permission only.) Mr. Beckmann.

MA 112 MATHEMATICAL ANALYSIS-I. Fall, Spring. New Description. After the final sentence of the description add: Introductions to natural logarithm and exponential function.

MA 113 MATHEMATICAL ANALYSIS-II. Fall, Spring.

*MA 123 COMPUTER PROGRAMMING I. Fall, Winter. Now a Foundations Course.

MA 200 LINEAR ALGEBRA. Fall, Spring. Mr. Emerson, Mr. Martin.

MA 201 MATHEMATICAL ANALYSIS-III. Fall, Spring. New Description. The calculus of functions of more than one variable. Introductory vector analysis, analytic geometry of three dimensions, partial differentiation, multiple integration, line integrals, elementary vector field theory, and applications. (MA 113 and MA 200 or permission. MA 200 may be taken simultaneously.) Mr. Peterson, Mr. Bielli.

MA 202 MATHEMATICAL ANALYSIS-IV. Spring. New Description. A study of ordinary differential equations with emphasis on first order methods, linear equations of higher order, power series solutions and systems of differential equations. Additional topics chosen from Laplace transform methods, numerical methods of solution, stability theory, deterministic models. (MA 113 and MA 200 or permission.) Mr. Beckmann.

(MA 220 GRAPH THEORY AND COMBINATORICS)

(MA 222 CONVEX FIGURES)

MA 223 COMPUTER PROGRAMMING II. Spring.

(*MA 227 SET THEORY)

(MA 250 FOUNDATIONS OF GEOMETRY)

MA 302 ABSTRACT ALGEBRA-I. Spring. Mr. Yuster.

(MA 310 PROBABILITY). Offered in 1981-82.

(MA 311 STATISTICS). Offered in 1981-82.

MA 315 MATHEMATICAL MODELS IN THE SOCIAL, LIFE AND MANAGEMENT SCIENCES. Fall. New Description. An introduction to the role of mathematics as a modeling tool and an examination of some mathematical models of proven usefulness in problems arising in the social and management sciences. Topics will be selected from the following: axiom systems as used in model building, optimization techniques, linear and integer programming, theory of games, systems of differential equations, computer simulation, stochastic processes. Specific models in political science, ecology, sociology, anthropology, psychology, and economics will be explored. (Permission.) Mr. Olinick.

MA 318 SELECTED TOPICS IN OPERATIONS RESEARCH. Spring. New Description. Operations Research is the utilization of quantitative methods as an aid to managerial decisions. In this course, several of these methods will be introduced and studied in both a mathematical context and a physical context. Topics included will be selected from the following: classification of problems and the formulation of models, linear programming,

network problems, transportation problems, shortest route problem, assignment problems, integer programming, non-linear programming queues, inventory problems, and game theory. (Permission.) Mr. Olinick.

MA 321 ELEMENTARY NUMBER THEORY. Fall. New Description. Divisibility and primeness. Number, congruences, the theorems of Lagrange, Fermat and Euler, residue theory, quadratic reciprocity. Diophantine equations. The distribution of primes, density and the Prime Number Theorem. (MA 113.) Mr. Peterson.

MA 323 COMPUTER SYSTEMS AND ASSEMBLY LANGUAGE PROGRAMMING. Fall. New Description. A detailed study of the hardware and software which make up a computer system. Emphasis is placed upon the internal design and advanced features of the RSTS/E operating system and the PDP-11. Details of linkers, assemblers, and I/O programming using monitor support are covered. Programming in Macro II (PDP-II assembler) will be done throughout the course. (MA 223.) Mr. Krupp

(MA 325 DATA STRUCTURES AND FILE PROCESSING). Offered in 1981-82.

(MA 326 INTRODUCTORY ALGEBRAIC TOPOLOGY)

MA 401 ADVANCED CALCULUS. Fall. New Description. A rigorous treatment of the calculus. Topics include completeness, compactness, connectedness, continuity, differentiation and Riemann-Stieltjes integration. (MA 201.) Mr. Martin.

MA 402 ADVANCED CALCULUS. Spring. New Description. This is a continuation of MA 401. Topics include convergence of functions, power series, Fourier series, implicit and inverse function theorems, the theorems of Green, Gauss and Stokes. Mr. Martin.

MA 403 ABSTRACT ALGEBRA-II. Fall. Mr. Yuster.

MA 410 MEASURE AND PROBABILITY. Spring. New Course. An introduction to measure theory and its application to probability. Emphasis on the interplay between mathematical theory and its application to probability problems. Topics include: existence and properties of probability measures, Lebesque measure and integration, laws of large numbers, distribution functions, product measure and Fubini's theorom, and the Central Limit Theorem. (MA 401.) Mr. Emerson.

(MA 411 ELEMENTARY TOPOLOGY). Offered in 1981-82.

(MA 421 MODERN GEOMETRY). Offered in 1981-82.

MA 431 COMPLEX ANALYSIS. Fall. New Description. An introduction to functions of a complex variable. Mappings of the complex plane, analytic functions. Cauchy Integral Theorem and related topics. (MA 201 or permission.) Mr. Beckmann.

MA 500 ADVANCED STUDY. Fall, Spring.

MA 704 SENIOR SEMINAR. Fall, Spring. New Description. Each student is required to complete and present a major paper on a topic chosen with the advice of a faculty member. In addition, during the academic year, each student is expected to attend a series of lectures designed to introduce and integrate areas of mathematics not covered in the previous three years. Mr. Bielli, Mr. Emerson.

MUSIC

Faculty Changes: Professor: George Todd (returning from leave); Assistant Professor: Dana Holby (see Theatre Department).
Departing Faculty: Visiting Instructor: Janet Gilbert.

Major Program: In paragraph 1, change the second sentence to read: Majors with emphasis in theory, history or performance are required to take MU 209-210, MU 309-310, MU 220-221, MU 306-307, MU 390, three upper-level elective courses plus one or two units of Senior Work.

*MU 101 INTRODUCTION TO MUSICAL STYLES. Spring.

(*MU 109 RUDIMENTS OF THE MUSICAL LANGUAGE)

MU 140 INTRODUCTION TO DANCE. (See DA 140 in THEATRE Department copy.)

MU 201 ELECTRONIC MUSIC. Fall. Mr. Todd.

MU 205 PERFORMANCE LAB. Fall, Spring.

MU 209 THEORY. Fall. Staff.

MU 210 THEORY. Spring. Staff.

(MU 215 THE HISTORY OF JAZZ)

MU 220 SURVEY OF MUSIC HISTORY. Fall. New Description. A chronological survey of the history, culture, and literature of Western art music from ancient Greece through the Baroque era. Emphasis will be placed on stylistic analysis of the basic literature. Ability to read music and rudimentary theoretical knowledge are assumed. Mr. Cockrell.

MU 221 SURVEY OF MUSIC HISTORY. Spring. New Description. (MU 221 may be taken without MU 220.) A chronoligical survey of the history, culture and literature of Western art music from the Pre-Classical period through the most contemporary styles. Emphasis will be placed on stylistic analysis of the basic literature. Ability to read music and rudimentary theoretical knowledge are assumed. Mr. Cockrell.

(MU 230 AMERICAN POPULAR SONG)

MU 260 INTERMEDIATE DANCE TECHNIQUE. (See DA 260 in THEATRE Department copy.)

MU 261 INTERMEDIATE DANCE TECHNIQUE. (See DA 261 in THEATRE Department copy.)

(MU 270 OPERA)

(MU 290 FUNDAMENTALS OF CONDUCTING)

MU 306 PERFORMANCE CLASS. Fall.

MU 307 PERFORMANCE CLASS. Spring. Mr. Fanning.

MU 309 ANALYSIS. Fall. Mr. Todd.

MU 310 ANALYSIS. Spring. Mr. Todd.

(MU 312 COMPOSITIONAL TECHNIQUES I)

(MU 322 MUSIC IN THE BAROQUE ERA)

MU 323 MUSIC IN THE CLASSICAL PERIOD. Fall. New Description. A study of musical life and literature from c. 1740-1827 with emphasis on the works of Haydn, Mozart and Beethoven. Ability to read music and rudimentary theoretical knowledge are assumed. Mr. Griesheimer.

MU 324 MUSIC IN THE ROMANTIC ERA. Spring. New Description. An in-depth study of selected elements of the history, culture and literature of 19th century Western art music, from Beethoven through Debussy and Mahler. Topics for discussion and lecture may be selected from: genre development, the most significant composers, nationalistic musics, society and music in the period, the dialectic of Romantic music, program music, the gesammtkunstwerk approach, post-romanticism. Ability to read music and rudimentary theoretical knowledge are assumed. Mr. Cockrell.

MU 325 MUSIC IN THE TWENTIETH CENTURY. Spring. New Description. This course will deal with 20th century Western art music since WW II. Active class participation is expected in discussions of the compositional and cultural problems of contemporary music and in the performance of relevant and representative compositions. It is expected that the class will take full advantage of the anticipated residency of Mr. John Cage. Mr. Todd, Mr. Cockrell.

MU 326 MUSIC IN AMERICA. Fall. New Course. A study of the history, culture and literature of music in the New World, from the earliest known musics of the Native Americans, through the colonial and federalist periods, to the present. A special emphasis will be on the "American experience," and its cultural relationship to our musical expression. Mr. Cockrell.

MU 330 SYMPHONIC LITERATURE. Spring. New Description. A study of the symphony and related forms (tone poem, concert overture, etc.) from c. 1740 to the present. Among the major topics: the pre-classical symphony schools of Mannheim, Milan, Berlin and Vienna,

the symphonies of Haydn, Mozart, and Beethoven, 19th-century developments (program elements, literary influences, nationalism), the symphonies of Schubert, Schumann, Mendelssohn, Berlioz, Liszt, Franck, Dvorak,Brahms,Tschiakovsky, Bruckner, Mahler, the tone poems of Liszt and R. Strauss, the symphony in the 20th century (Hindemith, Schoenberg and his circle, Bartok, Prokofiev, Shostakovitch, Stravinsky, Copland, Ives), commercial applications of the symphonic tradition (movie music, TV scores, etc.). Mr. Griesheimer.

MU 341 J. S. BACH. Fall. New Description. A study of the life and music of J. S. Bach (1685-1750). Detailed analysis of at least one composition in each major Baroque form. Extensive listening. Assumes both ability to read music and rudimentary theoretical knowledge. Mr. Fanning.

MU 360 ADVANCED DANCE TECHNIQUE. (See DA 360 in THEATRE Department copy.)

MU 361 ADVANCED DANCE TECHNIQUE. (See DA 361 in THEATRE Department copy.)

MU 390 JUNIOR SEMINAR IN MUSIC HISTORY. Fall.

MU 500 INDEPENDENT STUDY.

MU 704 SENIOR WORK.

Performance Studies:
In the first sentence of paragraph 4: Delete recorder; add classical guitar.

Between Music Library and Practice Facilities, insert the following: Electronic Music Studio. A well-equipped studio which includes: Moog and Arp Synthesizers, EMT Reverb, 16 to 4 Yamaha mixer, four and two channel Ampex tape decks, Eventide Harmonizer and equipment for field recording. Mr. Todd.

Under Practice Facilities, change the description of Organs to: Walcker (1969) mechanical action, 15 ranks; Wicks (1978), 2 ranks; and Gress-Miles (1970) 48 ranks.

PROGRAM IN NORTHERN STUDIES

Major Program: All general information remains the same with the following exceptions: Under Requirements for a Northern Studies Major:

1. Change the first sentence of paragraph 1 to read: Students majoring in Northern Studies will normally follow one of the three "major tracks": biology, geography or geology, and will take five or six courses within the appropriate cooperating department; students may also pursue joint majors with these departments.

2. Between paragraphs 2 and 3 add the following: Along with the courses taken in the "tracks" or joint major program, students are required to take NE 151, preferably in the freshman year.

3. After the final sentence of paragraph 4 add: The two-credit thesis may be either field or library based and is not defended in the sense of a three unit thesis. The three unit thesis requires original, predominantly field oriented work; the thesis is read by and defended in front of three faculty members after a seminar discussing the work has been presented by the student.

4. Following paragraph 9 add: Further specific information on the Program can be obtained from Dr. G. B. Saul, Dr. S. B. Young, Dr. R. N. Starling or Mr. Wayne Scott.

NE 151 INTRODUCTION TO POLAR ENVIRONMENTS. Spring. Requirement Change. This course is open to freshmen.

Fall Semester in Residence at the Center for Northern Studies. New Description. This semester-long program is the equivalent of four normal Middlebury courses. The semester begins with a two-week field trip to western Newfoundland, where students are introduced first-hand to northern environments and begin mastering techniques of environmental analysis.

NEWFOUNDLAND. Willem Vreeken (Pedologist, Queen's University) and Dick Smyth (Ornithologist/Naturalist) will join the course in 1980. The field trip will be to the west coast of the island and as far north as L'ans aux Meadows at the tip of the Great Northern Peninsula. Emphasis will be on the floristics, soils and glacial geomorphology of the

region. Detailed study materials will be sent to students during the summer. These will form the basis of the lectures before we leave.

NE 300 BOREAL FOREST AND TUNDRA SYSTEMS. New Description. Community definition and recognition based on the collection of quantitative field data will form the theme of the course. Data will be collected from Newfoundland, Bear Swamp, Mr. Mansfield and Mr. Lafayette. Soils, microclimates, tree lines and bogs will also be considered. Mr. Young, Mr. Starling.

NE 310 QUATERNARY STUDIES. New Description. Emphasis before and during the Newfoundland trip will be on patterns, processes and landforms of glaciated and periglacial environments. Aspects of theoretical glacial geomorphology will be covered at Wolcott when examples from Alaska and the Canadian Arctic will be stressed. Other topics to be covered include: climactic change, peopling of North America, paleoenvironmental reconstruction and dating methods.

NE 320 BOREAL BIOTA

NE 330 MAN IN THE NORTH

NE 340 SEMINAR IN MODERN POLAR ISSUES. New Description. Five guest speakers will address the group during the first half of the semester. During this time the students, in groups of four, will prepare their own seminars. Short review papers on the student seminar topics will be handed in at mid-term, then scheduled for presentation in the second half of the term. Staff.

NE 350 WINTER ECOLOGY

Spring Semester-in-Residence at the Center for Northern Studies

NE 400 SYSTEMATIC BOTANY

NE 410 DISTURBANCE ECOLOGY OF NORTHERN ECOSYSTEMS. Deleted.

NE 420 PALEOECOLOGY

NE 430 SEMINAR IN NORTHERN ISSUES

NE 500 INDEPENDENT STUDY

NE 700 SENIOR THESIS PREPARATION

PHILOSOPHY

Faculty Changes: Professor: Victor Nuovo (not on leave); Associate Professor: Lynne Baker (returning from leave); Assistant Professor: Michele LaRusch.
Departing Faculty: Assistant Professors: Jan Wald, Neil McDonell.

Non-Majors: Change all references to PA 170 to PA 102. Delete the final two sentences.

Major Program: Change all references to PA 170 to PA 102. Change the final sentence to read: Majors must elect: one course in Ethics and Social Philosophy; one course in Philosophy of Science and Theory of Knowledge (PA 350-370); one course in the History of Philosophy and the Senior Seminar (2 course units) in Contemporary Philosophy.

Note: Final staffing arrangements for the Philosophy Department for 1980-81 have not yet been made. However, we expect to offer PA 222 (American Philosophy), PA 223 (Introduction to Contemporary Philosophy) and PA 351 (Theory of Knowledge) which are listed below. More detailed information about these courses may be available from the Philosophy Department prior to registration.

*PA 102 THE GOOD AND THE TRUE: INTRODUCTION TO PHILOSOPHY. Fall. New Course. Also a Foundations Course. This course will confront two of the most important questions each of us asks: How ought I to live? What can I know? We shall explore these issues through the writings of some of the greatest minds of all time: Plato, Mill, Dostoevsky, Nietzsche, Sartre, Russell, J. L. Austin. This intellectual excursion will be wide-ranging; topics for discussion will include relativism, human nature, freedom of the will, foundations of knowledge, skepticism. (At lease two sections of this course will satisfy the Freshman Writing Requirement.) Ms. Baker and Staff.

(*HM 150 FOUNDATIONS OF THE WESTERN INTELLECTUAL TRADITIONS)

(*HM 160 THE ORIGINS OF MODERN THOUGHT: SCIENCE, RELIGION, SOCIETY)

(PA 170 PHILOSOPHICAL PROBLEMS)

PA 205 HUMAN NATURE AND ETHICS (Formerly PA 305). Fall. New Description. Ethical theories have traditionally tried to provide answers to the most fundamental questions of human existence--How should I live my life? What is the good life for human beings? This course will explore the attempt to found ethical value on a conception of human nature which is a conspicuous feature of modern philosophy during the 17th and 18th centuries, and we shall also look at more recent conceptions of the relationship between a conception of human nature and moral values. Readings will include Hume, Kant, Hegel, Schopenhauer, Kierkegaard, Marx, Nietzsche, Freud and Camus. (It would be helpful to have taken HM 150 or HM 160, but there are no prerequisites.) Mr. Bates.

PA 210 PHILOSOPHY OF EDUCATION. Fall. New Description. This course will be a critical examination of philosophical claims and assumptions which underlie various approaches to education. Such claims and assumptions involve ideas of what a person is, views of human society and theories of knowledge. With special attention to the nature of a liberal education, a major problem will be to set out and justify appropriate aims of education. Works by both historical and contemporary philosophers will be read. Ms. Baker.

PA 213 PHILOSOPHY OF RELIGION. Fall.

PA 218 INTRODUCTION TO MODERN LOGIC. Fall. Ms. LaRusch.

PA 222 AMERICAN PHILOSOPHY. Fall. Staff. (No description available.)

PA223 INTRODUCTION TO CONTEMPORARY PHILOSOPHY. Spring. Staff. (No description available.)

PA 224 FOUNDATIONS OF CONTEMPORARY ANALYTIC PHILOSOPHY. Deleted.

(PA 231 PHILOSOPHY OF HISTORY)

PA 233 AESTHETICS. Spring. New Description. Contemporary and historical readings will be used to examine problems in the philosophy of art. There will be exploration of what is a work of art and of meaning and truth in various of the arts. Attention will be given to questions of aesthetic judgment and of aesthetic value as well. Some prior acquaintance with philosophy or literature or the arts is recommended. Ms. Baker.

(PA 236 PHILOSOPHY OF MATHEMATICS)

PA 247 ANCIENT GREEK PHILOSOPHY. Spring. New Description. The study of ancient philosophy is not an antiquarian interest only, for Greek philosophy is the foundation of a tradition that is very much alive and well. This course will be devoted to an examination of the doctrines and methods of ancient philosophers and their schools. A large part of the course will be devoted to Plato and Aristotle, but consideration will also be given to Socrates and the Pre-Socratics, the Stoics and other Hellenistic schools. The principle concerns of this course are two: How does philosophy use its past? and, What is the nature of a philosophical tradition? Lectures, readings and discussion. (No prerequisites.) Mr. Nuovo.

PA 250 HISTORY OF EARLY MODERN PHILOSOPHY: DESCARTES TO KANT. Spring. New Course. This course will involve a detailed study of the beginning period of modern philosophy, from the emergence of the new scientific world-view in the early 17th century to the great finale of the Enlightenment in the work of Immanuel Kant. We shall concentrate on issues involved in the theory of knowledge and the theory of reality, in rationalism--represented by Descartes, Spinoza and Leibniz--and in empiricism--represented by Locke, Berkeley and Hume. However, we shall also discuss some of the moral, political and literary implications of these theoretical issues. (It would be helpful to have taken PS 101, RE 110, HM 150 or PA 170 as preparation for this course.) Mr. Bates.

(PA 270 ULTIMATE QUESTIONS: AN INTRODUCTORY COURSE IN PHILOSOPHY FOR JUNIORS AND SENIORS)

Ethics and Social Philosophy

Change introductory paragraph to read: PA 205 and courses numbered in the range PA 300-320 fall in the general area of ethics, social philosophy and theory of value.

PA 305 HUMAN NATURE AND ETHICS. (Changed to PA 205. See description above.)

PA 307 TWENTIETH CENTURY ETHICS. Deleted.

PA 309 PHILOSOPHY OF LAW. Spring. New Course. A study of various attempts to understand the essence of law, concentrating on the opposition between theories of natural law and of legal positivism. Special emphasis will be given to the problem of obligation to obey the law. In addition to important historical figures, contemporary legal theorists such as H.L.A. Hart, Lon Fuller and Ronald Dworkin will be read. Specialized topics such as the legal enforcement of morality, punishment and civil disobedience will be considered at the conclusion of the course. Mr. Bates.

Philosophy of Science and Theory of Knowledge
Delete the final sentence of the introductory paragraph.

PA 351 THEORY OF KNOWLEDGE. Spring. Staff. (No description available.)

PA 352 PHILOSOPHY OF MIND. Spring. New Description. This course will focus on the problems involved in relating conscious phenomena to the physical world. What is the nature of such conscious phenomena as believing, feeling or perceiving? There will be critical examination of several kinds of theories of consciousness, and attention may be given to problems of intentionality and personal identity as well as to contemporary treatment of the mind/body problem. Ms. Baker.

PA 353 PHILOSOPHY OF SCIENCE. Spring. New Description. This course will be an introduction to some of the issues which are central to the understanding and evaluation of the scientific enterprise. Our discussion will primarily focus on the nature of the goals of scientific inquiry and the methods scientists employ to attain those goals. Some of the questions which will be raised include the following: Should the scientist attempt to explain, make predictions from, or merely describe observed data? What is the structure of scientific theory? Must the scientist postulate the existence of unobserved entities in order to deal effectively with his data? How can the scientist draw a distinction between lawlike generalizations and other universal generalizations that do not express laws of nature? What justification can the scientist give for claiming that certain proposed laws and theories are correct? Ms. LaRusch.

PA 354 PHILOSOPHY OF LANGUAGE. Fall. New Description. This course will introduce the student to both traditional and contemporary theories of meaning and reference. With regard to theories of meaning, we will specifically be concerned with theories of word meaning, theories of sentence meaning, and theories of speaker meaning. With regard to theories of reference we will examine views as to how definite descriptions, proper names and demonstratives function to actually "pick out" particular entities in the world. We will then discuss how the new theories of meaning and reference bear on other important philosophical issues such as analyticity, necessity, trans-world identity, and the theory of natural kinds. Ms. LaRusch.

PA 360 INTERMEDIATE LOGIC. Spring. New Description. This course will be a continuation of PA 218, dealing with such topics as relational predicates, identity and definite descriptions. However, not all of our time will be spent contructing and working within a formal system. We will also explore the history of logic, foundational issues, problems of logical theory, and the newest directions logic is taking. Ms. LaRusch.

Studies in the History of Philosophy
Delete this section.

PA 247 ANCIENT GREEK PHILOSOPHY. (Will be offered. See description above.)

PA 403 THREE BRITISH EMPIRICISTS: LOCKE, BERKELEY AND HUME. Deleted.

PA 406 KANT. Deleted.

PA 500 RESEARCH IN PHILOSOPHY. Fall, Spring.

PA 704 SENIOR SEMINAR: CONTEMPORARY PHILOSOPHY. Fall, Spring.

PHYSICAL EDUCATION AND ATHLETICS

Replace the final five paragraphs with the following:

Registration Dates	Season
September 8, 9, 10	Fall
October 14, 15, 16	Winter I
December 1, 2, 3	Winter Program Term
February 16, 17, 18	Winter II
March 23, 24, 25	Spring

Season Dates
September 15 - October 25, 1980
October 27 - December 5, 1980
January 7 - February 6, 1981
February 23 - April 4, 1981
April 13 - May 15, 1981

Exemption Periods and Tests: No changes.

Fall Tests (September 8, 9, 10, 11) Sign-up dates are September 4, 5, 8, 9: Archery, Badminton, Bowling (Test Fee $.90), Dance, Golf, Platform Tennis, Squash, Swimming, Tennis and the Pool Test.

Winter Tests (February 16, 17, 18, 19) Sign-up dates are January 27, 28, 29 and February 16: Alpine Skiing, Badminton, Bowling (Test Fee $.90), Dance, Figure Skating, Platform Tennis, Ice Skating, Squash, Swimming, Ski Touring, Tennis and the Pool Test.

PHYSICS

Faculty Changes: Associate Professor: P. Frank Winkler (returning from leave); Assistant Professor: Richard Wolfson (on leave).
Departing Faculty: Instructor: Robert Boyle.

Major Program: In paragraph 2 change the second sentence to read: The minimum requirements for a major in physics are the introductory sequence to physics (PH 109, PH 110, PH 201, PH 202 and PH 212) plus four elective physics courses, a senior program, MA 112 and MA 113.

*PH 101 THE NATURE OF THINGS: PHYSICAL REALITY AND HUMAN THOUGHT. Spring. Mr. Cooney.

PH 109 MECHANICS AND THERMODYNAMICS. Fall. New Prerequisites. (MA 112 is a co-requisite.)

PH 110 ELECTRICITY AND MAGNETISM. Spring. Mr. Winkler.

PH 145 ELECTRONICS FOR THE INTIMIDATED. Spring. Staff.

*PH 155 AN INTRODUCTION TO THE UNIVERSE. Fall. Now a Foundations Course. Mr. Winkler.

PH 201 MODERN PHYSICS I. Fall. New Course. This course probes in depth a number of areas for which classical physics has provided no adequate explanations. Topics covered include Einsteinian special relativity (kinematics and dynamics, conservation of momentum and mass-energy), statistical distributions in physics, kinetic theory, quantization and photons, x-rays, and the atomic models of Rutherford and Bohr. (PH 109, PH 110 or permission.) 3 hrs. lect., one lab/discussion session. Staff.

PH 202 MODERN PHYSICS II. Spring. New Course. An introduction to quantum physics including wave mechanics, the uncertainty principle and wave-particle duality. Application of quantum mechanics is made to simple atomic and molecular systems. Nuclear physics and the theory of solids are also introduced. (PH 201.) 3 hrs. lect., one lab/problem session. Staff.

PH 210 INTRODUCTORY QUANTUM PHYSICS. Delete.

PH 212 METHODS OF THEORETICAL PHYSICS. Spring. New Prerequisites. (MA 113, PH 110.)

PH 221 ELECTRONICS FOR SCIENTISTS. Fall. Mr. Cooney.

(PH 230 INTERMEDIATE MECHANICS)

PH 232 HEAT AND THERMODYNAMICS. Delete.

PH 250 STATISTICAL MECHANICS. Spring. New Course. The course opens with an examination of the fundamental concepts of probability, statistics, and distrubution functions. Then the concepts of energy, energy quantization, and the application of these concepts to the modeling of macroscopic systems are discussed in depth. The remainder, and heart, of the course is contained in the study of statistical mechanics and its application to a variety of classical and quantum systems. Topics that will be covered include statistical thermodynamics, Maxwellian distributions, imperfect gases, equipartition theorem, quantum statistics, heat capacities of solids, dielectric and paramagnetic systems, radiation, phase transitions and ideal quantum gases. (PH 201, corequisite PH 212.) 3 hrs. lect. Mr. Gould.

(PH 266 CONTEMPORARY ASTRONOMY AND ASTROPHYSICS)

PH 302 ELECTROMAGNETIC WAVES. Fall. Staff.

PH 401 INTRODUCTION TO QUANTUM MECHANICS. Spring. Mr. Cooney.

PH 500 RESEARCH AND SPECIAL TOPICS. Fall, Spring.

PH 705 INDEPENDENT STUDY AND GENERAL EXAMINATION. Fall, Winter, Spring.

POLITICAL SCIENCE

Faculty Changes: Associate Professor: David Rosenberg.
New Faculty: Assistant Professor: Eric Davis; Instructor: Michael Kraus.
Departing Faculty: Assistant Professors: John Keeler, Hugh Wheeler.

*PS 101 INTRODUCTION TO POLITICAL SCIENCE. Fall.

PS 102 THE AMERICAN POLITICAL REGIME. Spring.

PS 103 INTRODUCTION TO COMPARATIVE POLITICS. Spring.

PS 104 INTRODUCTION TO AMERICAN POLITICAL PROCESSES. Fall. New Description. Analysis of the powers, structure, and operations of American government, primarily at the national level. We will begin by discussing the writing of the Constitution in 1787 and how that Constitution continues to affect political decision-making in America. Next, we will turn to the representative political institutions--political parties, interest groups, and the Congress. Then, our attention will turn to the policy-making process, to legislative, executive, and judicial politics in Washington. Finally, we will focus on a number of policy issues such as energy or taxation, in order to study the interactions among Constitutional structures, representative institutions, and policy-making institutions. Mr. Davis.

*PS 107 POLITICS AND THE STUDIES OF POLITICS. Spring.

Political Theory
*PS 101
*PS 107
PS 200 EMPIRICAL POLITICAL ANALYSIS. Spring.

PS 317 CLASSICAL POLITICAL PHILOSOPHY. Fall. New Description. Following the first two sentences, change the description to read: Study of the Republic will be followed by study of critiques of it, Aristotle's in Book I of the Nicomachean Ethics and in Book II of the Politics and, time permitting, of other ancient or medieval teachings.

PS 318 POLITICAL PHILOSOPHY: MODERNITY. Spring. Mr. Nelson.

PS 401 SEMINAR ON POLITICAL PHILOSOPHY: LIBERALISM AND MARXISM. Spring.

PS 409 SEMINAR IN POLITICAL PHILOSOPHY. Fall.

American Political Institutions
PS 102
PS 104
PS 203 AMERICAN POLITICS AND LEGISLATION. Deleted.

PS 204 AMERICAN POLITICS AND LEGISLATION. Deleted.

PS 206 DEMOCRACY IN AMERICA. Deleted.

PS 208 THE POLITICS OF THE U.S. CONGRESS. Spring. New Course. This course will look at the U.S. Congress--probably the most highly advanced legislative body in the world--from two different perspectives. First, we will study Congress as a representative institution. What are some of the factors affecting the outcomes of Congressional election races? Why are incumbent members of Congress winning re-election at such overwhelming rates? What is the relationship, if any, between a Representative's or Senator's roll-call voting in Washington and the opinions of his or her constituents on those issues coming before the national legislature? Next, we will examine Congress as a policy-making institution. How does a very large legislature handle decision-making on issues which are becoming increasingly complex? How have the changes in Congressional organization and procedure implemented since 1970 affected the Congress' ability to make policy? How does Congress work with (or against) the executive branch and interest groups in the policy-making process? To conclude, we will consider the relationships between the distribution of influence within the Congress and the Congress' ability to perform its representative role. Mr. Davis.

(PS 212 THE POLITICS OF THE FEDERAL BUREAUCRACY) New Course. Offered in 1981-82.

PS 301 STATE AND LOCAL GOVERNMENT. Deleted.

PS 304 AMERICAN PUBLIC POLICY. Deleted.

PS 305 AMERICAN CONSTITUTIONAL LAW: THE FEDERAL SYSTEM. Fall. New Description. Drawing mainly on Supreme Court decisions from separate reprints and Gerald Gunther's casebook, and also on interpretive books and essays, this course studies the Marshall Court, the Taney Court, the Civil War cases, the pre and post-1937 Court, and the Warren and Burger Courts. The earlier cases focus on governmental powers in a federal system; the recent cases focus on the equal protection clause of the Fourteenth Amendment. A Mock Court case is anticipated. (Open to juniors and seniors with PS 102.) Mr. Dry.

(PS 306 AMERICAN CONSTITUTIONAL LAW: INDIVIDUAL RIGHTS)

PS 307 THE AMERICAN PRESIDENCY. Deleted.

PS 310 POLITICAL PARTIES AND INTEREST GROUPS IN AMERICA. Spring. New Course. We will begin with an historical analysis of the American political parties--the party "systems" that have been identified over the course of the past 200 years. This historical analysis will condition our discussion of whether the contemporary party system is going through a "realignment." Next, we will discuss the role of political parties in structuring election outcomes, particularly Presidential election outcomes, and how that role has been changing as a result of the party "reforms" adopted in recent years. We will then turn to an analysis of American interest group politics, beginning with some theoretical interpretations of why individuals join interest groups at all. Last, we will look at the functions performed by interest groups, and how these functions are changing in an era in which political parties are in decline. Mr. Davis.

PS 415 SEMINAR IN AMERICAN GOVERNMENT: PRESIDENT AND CONGRESS. Deleted.

PS 425 SEMINAR ON THE AMERICAN PRESIDENCY. Fall. New Course. The seminar will begin with an analysis of the question of Presidential power, both in the constitutional/historical and in the contemporary senses. How have the powers of the Presidency grown over the past 200 years? Is the Presidency an institution which is now too powerful? Or are Presidents too constrained by other participants in the political process? We will then move on to a discussion of organizing the White House. How have different Presidents organized the White House staff? What are the functions performed by the White House staff? What are the consequences of different forms of White House organization for Presidential decision-making? How has the Presidency become "institutionalized" in the years since Franklin Roosevelt? We will conclude with a discussion of the relationships between the President and the three elements of the Washington community without whose cooperation he cannot be successful--the Congress, the bureaucracy, and the press. What are the various resources the President has in dealing with these Washington elites? In what ways have recent Presidents taken advantage of these resources? (Permission.) Mr. Davis.

Comparative Politics
PS 103

PS 210 THE POLITICS OF DEVELOPMENT. Deleted. This course has been superceded by PS 220 (Asian Politics) and PS 404 (The Political Economy of Development).

PS 220 ASIAN POLITICS. Fall. New Course. This course provides an introductory survey of contemporary politics in Asia, with primary emphasis on China and Japan. The basic institutions of power will be examined as well as current issues of domestic and foreign policy. Selected case studies for comparative analysis will be drawn from Korea, Taiwan, the Soviet Far East and selected areas of Southern Asia. Mr. Rosenberg.

(PS 225 WEST EUROPEAN POLITICS)

PS 227 SOVIET POLITICS. Fall. New Course. Continuity and changes in the nature of Soviet politics and society from the Russian Revolution to the present. The course examines the influence of history, ideology and political leadership on contemporary politics. Mr. Kraus.

PS 319 EAST ASIAN POLITICAL SYSTEMS. Deleted. This course has been superceded by PS 220 (Asian Politics).

(PS 321 POLITICAL ORGANIZATIONS AND THE POLITICAL PROCESS)

(PS 326 COMPARATIVE FOREIGN POLICY)

PS 404 THE POLITICAL ECONOMY OF DEVELOPMENT. Fall. New Title and Description. The conflicts between old and new in the Third World countries raise fundamental political questions. Which is the right road to national development and personal fulfillment? Who is to choose which course to follow? Does development imply the universalization of the Western experience? What room is there for indigenous strategies of development in Third World countries? Each student is expected to select a country and present a case study on some aspect of the questions discussed above. (Permission.) Mr. Rosenberg.

(PS 406 SEMINAR: POLITICS IN FRANCE)

International Relations and Foreign Policy

PS 201 INTERNATIONAL POLITICS. Fall.

PS 202 CONTEMPORARY INTERNATIONAL POLITICS. Spring. Staff.

(PS 302 INTERNATIONAL CONFLICT RESOLUTION.)

PS 311 AMERICAN FOREIGN POLICY. Fall. Staff.

(PS 405 SEMINAR ON THE CAUSES OF WAR)

PS 408 UNITED STATES-SOVIET RELATIONS. Spring. New Title. (Course description not yet available.) Mr. Kraus.

(PS 412 SEMINAR ON DIPLOMACY)

Independent Projects

PS 500 ADVANCED PROJECTS.

PS 700 HONORS.

PSYCHOLOGY

No changes in faculty listings or major program description.

PY 105 INTRODUCTION TO PSYCHOLOGICAL THOUGHT. Fall, Spring. New Title. No longer a Foundations Course.

PY 201 RESEARCH AND COMMUNICATION. Fall.

PY 202 PSYCHOPHYSICS. Spring.

PY 203 SOCIAL BEHAVIOR. Spring. New Prerequisites. (PY 105.)

PY 204 PERSONALITY PSYCHOLOGY. Fall. New Title. New Description. This lecture course provides an in-depth overview of the field of personality psychology. Three classical theories of personality: (1) Freud's Psychoanalytic Theory, (2) Jung's Analytical Theory, and (3) Sullivan's Interpersonal Theory, will be discussed. Then the conceptual analysis and measurement of individual difference variables such as intelligence, self-

concept, anxiety, achievement motivation, and authoritarianism will be considered. (PY 105.) Mr. Riess.

PY 207 CONDITIONING AND LEARNING. Spring.

PY 208 MEMORY AND CONCEPTUAL PROCESSES. Fall.

PY 225 CHILD PSYCHOLOGY. Spring.

PY 301 PHYSIOLOGICAL PSYCHOLOGY. Fall.

PY 305 COGNITIVE DEVELOPMENT. Spring. New Course. This course will deal with the development of language, thought and other cognitive skills in children. It will also consider how these play a role in other areas such as children's play and social development. The theories of Piaget will be emphasized as well as recent experimental work. (PY 225.) Mr. Prouty.

PY 321 NONVERBAL BEHAVIOR AND COMMUNICATION. Spring. New Prerequisites. (PY 201 or equivalent.)

PY 325 ABNORMAL PSYCHOLOGY. Fall. New Prerequisites. (PY 204 and permission.)

PY 411 CONTEMPORARY ISSUES IN PSYCHOLOGY. Fall.

PY 414 RESEARCH IN SOCIAL AND PERSONALITY PSYCHOLOGY. Fall. New Title. New Prerequisites. (PY 201 and PY 203, or permission.)

PY 416 SPECIAL TOPICS IN PHYSIOLOGICAL PSYCHOLOGY. Spring.

PY 426 PSYCHOANALYSIS. Spring.

PY 500 ADVANCED RESEARCH. Fall, Spring.

PY 703 HONORS CANDIDACY. Spring.

RELIGION

*RE 105 AN INTRODUCTION TO THE ENGLISH BIBLE. Spring.

*RE 110 INTRODUCTION TO WESTERN RELIGIOUS LIFE AND THOUGHT. Fall.

*RE 115 INTRODUCTION TO EASTERN RELIGIOUS LIFE AND THOUGHT. Fall, Spring.

RE 204 THE JEWISH AND CHRISTIAN TRADITIONS. Spring.

RE 209 THE HINDU TRADITION. Fall. New Description. A historical introduction to Hinduism. This course will primarily be concerned with the three traditional options in the Hindu search for salvation as they are represented in the classical religious literature and in modern practice. Attention will be given to the social background, ritual context, and the role of mythology in Indian religion. Mr. Eckel.

RE 210 THE BUDDHIST TRADITION. Spring. New Description. An introduction to the history of Buddhist thought and practice in India, China and Japan. This course is designed both for the introductory student who has had no previous work in Indian religion and for someone interested in exploring the Buddhist tradition at a more advanced and specialized level. The course will deal with such basic topics as the life of the Buddha, the Four Noble Truths, and the rise of Mahayana as well as such advanced topics as Madhyamika philosophy, Buddhist Tantra, the development of Buddhist thought in China, and the relationship between Buddhism and the Japanese state. Mr. Eckel.

*RE 220 THE SHAPING OF AMERICAN RELIGIOUS LIFE. Fall.

RE 280 STUDIES IN THE OLD TESTAMENT. Fall. New Description. The history, literature, and faith of the Hebrew People from the Patriarchical age to the Maccabean revolt. Attention will be given to the methods of historico-literary criticism and the contribution of archaeology to biblical history and interpretation. Mr. Scott.

(RE 281 STUDIES IN THE NEW TESTAMENT)

(RE 301 MODERN VIEWS OF GOD AND RELIGIOUS LIFE: THE 19TH CENTURY)

RE 302 MODERN VIEWS OF GOD AND RELIGIOUS LIFE: THE 20TH CENTURY. Spring. New Prerequisite. (Permission.)

RE 303 THEORIES OF RELIGION. Spring.

RE 305 CONTEMPORARY SOCIAL ETHICS. Spring. New Course. The course will be divided into three blocks: 1) an examination of representative types of religious/ethical positions, 2) a study of various interpretations of selected ethical issues, e.g., abortion, euthanasia, capital punishment, political revolution, population control, and 3) an individual project to formulate a position on one contemporary issue. (Permission.) Mr. Ferm.

(RE 306 THE PURITAN TRADITION IN AMERICA)

RE 308 SEMINAR IN AMERICAN RELIGIOUS HISTORY. Fall. Topic for 1980-81 same as for 1979-80.

RE 310 SEMINAR IN BIBLICAL THEOLOGY. Fall. Topic for 1980-81 same as for 1979-80.

(RE 311 BUDDHIST PHILOSOPHY)

RE 312 MYSTICISM EAST AND WEST. Fall. New Description. A comparative study of the nature and significance of mysticism in various eastern and western traditions with special emphasis on Zen Buddhism and Christianity and on the relation between mysticism and the ethical life; readings drawn from the writings of the mystics and from modern studies of mysticism by philosophers and psychologists such as Rudolf Otto, William James, Walter Stace, Erich Fromm, William Johnston, Steven Katz and others. Mr. Rockefeller.

RE 340 SEMINAR IN THE HISTORY OF RELIGIONS. Spring. New Description. A comparative study of "pilgrimage" as a fundamental paradigm in the religious life. The course will consider the ritual events associated with journeys to holy sites in such areas as Mexico, the Middle East, India and Japan, and will attempt to penetrate beneath the surface of the events to the intended quests they represent. Attention will also be given to such basic comparative problems as the relationship between folk and high traditions, symbol and theory, and meditation and action. Mr. Eckel.

RE 500 INDEPENDENT RESEARCH

RE 700 SENIOR RESEARCH FOR HONORS CANDIDATES

(RE 702 SENIOR SEMINAR)

From the list of cognate courses which may be credited toward the requirements for the religion major, delete: PY 309 PSYCHOLOGY AND RELIGION.

RUSSIAN

Faculty Changes: Professor: Robert Baker (chairman, on leave spring term); Assistant Professors: David Bethea (at Middlebury in Moscow), Thomas Beyer (on leave fall term); Instructor: Jane Miller (returning from Middlebury in Moscow).

Major Program: Between paragraphs 2 and 3 add: Students of Beginner's Russian will take a continuation course during Winter Term.

RU 101 BEGINNER'S RUSSIAN. Fall.

RU 102 BEGINNER'S RUSSIAN. Spring. Mr. Beyer and Staff.

RU 104 RUSSIAN FOR READING. Spring. New Course. Continuation of Beginner's Russian for those interested in Russian as a research tool. Decreased attention to active skills and increasing attention to reading, culminating in some reading in a student's field of specialization. (This course does not serve as a prerequisite for more advanced courses in Russian.) (RU 101 or equivalent.) Staff.

*RU 151 RUSSIAN LITERATURE'S GOLDEN AGE (1830-1880) (PISTOLS, POETS, PRISONERS AND PROSTITUTES) (In English). Fall. Ms. Miller and Mr. Smith.

*RU 152 REVOLUTIONARY LITERATURE IN A REVOLUTIONARY SOCIETY: RUSSIAN MODERNISM (1880-PRESENT) (In English). Spring. Ms. Miller and Mr. Smith.

RU 201 INTERMEDIATE RUSSIAN. Fall.

RU 202 INTERMEDIATE RUSSIAN. Spring.

RU 301 RUSSIAN CONVERSATION AND COMPOSITION. Fall.

RU 302 RUSSIAN CONVERSATION AND COMPOSITION. Spring.

RU 311 MASTERPIECES OF RUSSIAN LITERATURE. Fall. Ms. Miller.

(RU 312 MASTERPIECES OF RUSSIAN LITERATURE)

(RU 313 RUSSIAN MASTERPIECES OF THE 20TH CENTURY)

(RU 314 RUSSIAN POETRY)

RU 321 SOVIET MAN AND HIS WORLD. Spring. Ms. Miller.

RU 351 DOSTOEVSKY (In English). Spring. New Description. Classroom discussion of the major novels of Russia's most misunderstood genious. Brief lectures will attempt to define for a Western reader the uniquely Russian experience of Dostoevsky. No knowledge of Russian is required. Mr. Beyer.

(RU 352 TOLSTOY (In English))

(RU 354 CHEKHOV)

RU 401 ADVANCED LANGUAGE STUDY. Fall. Mrs. Baker.

RU 402 ADVANCED LANGUAGE STUDY. Spring. Mrs. Baker.

RU 411 SEMINAR: PUSHKIN. Fall. Mr. Smith.

(RU 421 THE RUSSIAN REVOLUTION AND THE ARTS)

RU 500 ADVANCED STUDIES IN LANGUAGE AND LITERATURE. Fall, Spring.

RU 704 SEMINAR. Spring. Mr. Smith.

SOCIOLOGY/ANTHROPOLOGY

Faculty Changes: Assistant Professors: Kitty Calavita (from Instructor), Margaret Nelson (on leave).
New Faculty: Visiting Assistant Professor: Donald Gibson.
Departing Faculty: Visiting Instructor: David Holmberg

Major Program: Change paragraph 2 to read: Required for all Sociology-Anthropology majors: A minimum of ten fall and spring term courses will constitute the major. The core of the departmental major consists of five required courses (SA 103, SA 105, SA 205, SA 301 or SA 302, and SA 700 or SA 710) which emphasize basic concepts, theory, and research methods. Beyond these specific courses, each student may choose 5 to 9 electives from the variety of substantive courses offered by the department.

From Paragraph 6 (Senior Program): Delete sentence 3.

Introductory Courses
SA 103 SELECTED TOPICS IN SOCIO-CULTURAL ANTHROPOLOGY. Spring.

*SA 105 SOCIAL MAN AND SOCIAL ORDER: ISSUES IN FREEDOM AND CONSTRAINT. Fall, Spring. New Description. In sentence 6, delete Emile Durkheim's Suicide. Following the final sentence, add: (This course serves as an introduction to sociology.)

SA 190 THE EVOLUTION OF MAN AND PREHISTORIC CULTURES. Fall. New Course. Within an ecological-evolutionary perspective, we will examine topics in physical anthropology including 1) the relevance of non-human primate studies for an understanding of man, 2) the emergence of the human line, 3) the origins of speech, and 4) physical variation among contemporary man. Archaeological topics include site discovery, dating procedures, archaeological inference and the transition from hunting and gathering bands to agricultural states. 2 hrs. lect., 1 hr. disc., 1 hr. film. Mr. Andrews.

SA 201 SELECTED TOPICS IN ARCHAEOLOGY AND PHYSICAL ANTHROPOLOGY. Delete.

Theory and Method

SA 205 TOPICS IN SOCIAL THOUGHT--STABILITY AND CHANGE. Fall. Ms. Calavita, Mr. McGough.

SA 301 THE RESEARCH PROCESS-SOCIOLOGY. Spring.

SA 302 THE RESEARCH PROCESS-ANTHROPOLOGY. Fall. Mr. Andrews.

Social Organization and Comparative Institutions.

(SA 250 ECONOMIC ANTHROPOLOGY)

(SA 315 SOCIOLOGY OF EDUCATION)

(SA 316 THE SOCIOLOGY OF YOUTH) Offered in 1981-82.

SA 337 POLITICAL SOCIOLOGY. Fall. New Course. The course is organized with two majorpurposes in mind. First, we will review and analyze major theories of political organization and political power. We will cover some of the classical thinkers (Locke, Hobbes, Marx, etc.) and important current views (Pluralist, power-elite, Marxist, etc.). Second, we will investigate political power in the United States and, in the process, cover topics such as elections, policy formation and the relationship between economic and political power. Mr. Gibson.

SA 345 WORK, LEISURE AND SPORT. Spring. New Description. Major focus on work as a social and organizational phenomenon from two complementary points of view: 1) the sociology of occupations and professions, stressing careers, the process of professionalization and autonomy vs. bureaucratic structure, and 2) industrial sociology, with emphasis on alienation and the conflict of formal and informal structures. Implications of change in the meaning and organization of work for problems of leisure and sport. (SA 105 or permission.) Mr. Haerle.

SA 354 ETHNIC GROUPS IN THE UNITED STATES. Spring. New Description. Change the final sentence of the description to read: Some of the ethnic groups considered are Blacks, Japanese, Jews, Hispanics and Indians. 3 hrs. lect./disc., 1 hr. film. (SA 103 or SA 105 or permission.) Mr. Andrews.

SA 360 BUREAUCRACY AND AUTHORITY. Fall. New Course. Readings and lectures will be designed to explain the role of formal organization in society. We will review and discuss various defenses and critiques of bureaucracy, hierarchy and authority. Areas of concern will include industrial organization, technology, professionalism, and authority relations. Mr. Gibson.

SA 370 INEQUALITY AND SOCIAL JUSTICE. Spring. New Course. Course description not yet available. Mr. Gibson.

SA 380 THE ANTHROPOLOGY OF RELIGION. Fall. Mr. McGough.

(SA 385 MEDICAL SOCIOLOGY) Offered in 1981-82.

SA 387 SOCIOLOGY OF LAW. Spring.

(SA 390 THE SOCIOLOGY OF WOMEN) Offered in 1981-82.

(SA 391 ADVANCED TOPICS IN THE SOCIOLOGY OF WOMEN)

SA 399 INTERNATIONAL ECONOMY. Spring. New Course. Course description not yet available. Mr. Gibson.

Area Studies

(SA 321 NATIVE PEOPLES OF NORTH AMERICA) Offered in 1981-82.

SA 322 NATIVE PEOPLES OF SOUTH AMERICA. Spring. New Description. An examination of the aboriginal peoples of South America, the Carribbean Islands and Central America to the Maya frontier. Major emphasis will be on these peoples at the time of first contact. Special concern will be the methodological and theoretical implications of the data. (SA 103 or permission.) Mr. Andrews.

SA 326 LATIN AMERICAN CULTURE AND SOCIETY. Fall.

SA 335 CHINESE SOCIETY AND CULTURE. Spring.

SA 338 SOUTH ASIAN SOCIETY AND CULTURE. Deleted.

Social Process and Social Problems

SA 343 AMERICAN COMMUNITY STUDIES. Fall.

(SA 344 URBAN SOCIOLOGY) Offered in 1981-82.

(SA 351 PSYCHOLOGICAL ANTHROPOLOGY)

SA 352 SOCIAL PSYCHOLOGY. Spring.

SA 388 DEVIANCE. Fall.

SA 495, 496 SEMINAR IN SOCIOLOGY-ANTHROPOLOGY. SA 495 (Fall), SA 496 (Spring).

SA 500 ADVANCED INDIVIDUAL STUDY. Fall, Spring.

Senior Program

SA 700 SENIOR ESSAY. Fall.

SA 710 SENIOR THESIS. Fall, Winter.

SPANISH-ITALIAN

Faculty Changes: Professor: Roger Peel (on leave); Associate Professor: Roberto Veguez (chairman).
New Faculty: Assistant Professor: René Prieto.
Departing Faculty: Assistant Professor: Jon Strolle; Instructor: Gloria Vaglio.

SPANISH

SI 101 INTENSIVE BEGINNING SPANISH. Winter.

SI 102 CONTINUING SPANISH. Spring.

SI 201 INTERMEDIATE SPANISH. Fall, Spring. New Description. A course designed to consolidate the skills attained in SI 101-102 or its equivalent. Readings, discussions and compositions. Mr. Prieto.

SI 219 SELF-EXPRESSION IN SPANISH. Fall, Spring. New Description. A middle course for students seeking to perfect their command of Spanish. The course will consist of oral and written assignments on a variety of topics chosen to increase the student's control of the structures and vocabulary of the language. The course will also include a thorough review of grammar at a fairly advanced level. Ms. Andreu, Mr. Veguez.

SI 300 AN INTRODUCTION TO THE STUDY OF HISPANIC LITERATURE. Fall, Spring. Ms. Andreu, Mr. George.

SI 301 THE HISPANIC TRADITION IN LITERATURE. Fall.

SI 303 THE HISPANIC TRADITION IN LITERATURE: SPANISH AMERICAN LETTERS FROM THE 19TH CENTURY TO THE PRESENT. Spring. Mr. George.

SI 315 EL ARTE DE LA TRADUCCION: PROBLEMAS Y SOLUCIONES. Deleted.

SI 320 INTRODUCTION TO SPANISH CULTURE AND CIVILIZATION. Deleted.

SI 330 LATIN AMERICAN CULTURE. Fall. New Description. An attempt to understand contemporary Latin American culture in light of its ethnic, historical and artistic background. This will be done through selected readings from newspapers and magazines as well as historical and literary sources, films and other expressive forms such as the visual arts and music. Students will be expected to choose one area of specialization for a final paper and class presentation. Mr. George.

SI 331 FOLKLORE AND LITERATURE. Deleted.

SI 325 INTRODUCTION TO BRAZIL. Deleted.

SI 402 CERVANTES Y EL DON QUIJOTE. Deleted.

SI 407 LA NOVELA ESPANOLA DE POS GUERRA. Deleted.

SI 415 LA COMEDIA ESPANOLA DEL SIGLO DE ORO. Spring. New Course. A study of the Spanish national theater during the Golden Age, from its origins through its later development by Lope de Vega, Tirso de Molina, Ruiz de Alarcon, Mira de Amezcus, the Calderon de la Barca. Special attention will be given to the dynamics of individual plays as dramatic as well as literary structures, and to major themes and pre-occupations of Golden Age drama as a whole. Mr. Véguez.

SI 419 THE CONTEMPORARY SPANISH AMERICAN NOVEL. Deleted.

SI 420 VIOLENCIA Y PASION. Spring. New Description. This course will be devoted to a study of the impact of the Indian and of the Indian cultures of Latin America on the conquerors and on modern writers. Texts from Indian sources (Popul Vuh, Chilam Balam), and some from the literature of discovery and conquest stating the European view of non-European man will be read. In the second part of the term, the class will look at modern writers who have been concerned with the Indian and his traditions (Jose M. Arguedas, Miguel Angel Asturias, Ernesto Cardenal). Mr. Prieto.

SI 425 HISPANIC POETRY OF THE TWENTIETH CENTURY. Deleted.

SI 435 TALLER DE TEATRO. Deleted.

SI 442 SEMINAR: THE NINETEENTH CENTURY SPANISH NOVEL. Deleted.

SI 440 SEMINAR: WOMEN IN HISPANIC LITERATURE. Deleted.

SI 500 INDEPENDENT STUDY. Fall, Spring.

SI 700 SENIOR RESEARCH SEMINAR. Fall. Ms. Andreu. The topic for this year will be the Generation of 1898.

SI 705 SENIOR HONORS THESIS. Spring. Thesis prospectus is due no later than October 15, 1980. The department will announce nomination decisions before the Thanksgiving Recess.

ITALIAN

Major Program: In paragraph 3, change the first sentence to read: A total of not fewer than eleven courses beyond SI 151 and SI 152 is required including two courses chosen from SI 351, SI 352, SI 353 or the equivalent, and also SI 750.

SI 151 INTENSIVE BEGINNING ITALIAN. Fall. Mr. Boynton, Mr. Faustini.

SI 152 INTENSIVE BEGINNING ITALIAN. Spring. Mr. Boynton, Mr. Faustini.

SI 251 INTERMEDIATE ITALIAN. Fall. New Description. A thorough review of the structure and vocabulary of Italian. Conversation, compositions and oral reports will be based on readings selected from contemporary Italian prose to increase fluency and naturalness as well as prepare the groundwork for a more sophisticated use of the language. (SI 152 or equivalent.) Mr. Faustini.

SI 252 ADVANCED ITALIAN. Spring. Mr. Boynton.

(*SI 290 DANTE: THE DIVINE COMEDY (IN ENGLISH))

(SI 291 EROS IN BOCACCIO'S DECAMERON (IN ENGLISH))

(SI 292 FROM MEDIEVAL TO HUMANISTIC THOUGHT IN ITALIAN LITERATURE (IN ENGLISH))

(SI 352 LITERATURE OF THE RENAISSANCE)

(SI 353 ROMANTIC AND EARLY MODERN ITALIAN LITERATURE)

SI 375 ITALIAN CINEMA: FROM FICTION TO FILM. Spring. New Description. The course will focus its attention on the appearance on the Italian cinema of the author-director such as Fellini and Wertmuller. The development of this trend will be based on the critical study of the literary works of authors like Machiavelli, Moravia and di Lampedusa and the cinematographic adaptations of those works by directors such as De Sica, Antonioni, Pasolini and Visconti, among others. Italian society as seen through the media of

literature and film will also be examined. Films in Italian with English subtitles. Mr. Faustini.

SI 459 MODERN ITALIAN FICTION: THE ROLE OF THE INDIVIDUAL IN ITALIAN NOVELS OF THE TWENTIETH CENTURY. Spring. New Description. An analysis of the role of the individual as it is viewed by four major Italian writers of this century: Pirandello, Svevo, Vittorini and Pavese, through a close reading and a detailed discussion of some of their novels. Four novels will be read in their entirety, together with selections from other works. The course will be conducted mainly through class discussions, but each author will be introduced by one or two formal lectures. Mr. Faustini.

SI 550 INDEPENDENT STUDY.

SI 750 SENIOR SEMINAR. Fall.

TEACHER EDUCATION

TE 200 FOUNDATIONS OF EDUCATION. Spring.

TE 205 METHODS OF TEACHING LANGUAGE ARTS IN THE ELEMENTARY SCHOOL. Spring. New Description. Delete reference to pre-school.

TE 210 METHODS OF TEACHING MATHEMATICS IN THE ELEMENTARY SCHOOL. Fall. New Description. Delete reference to pre-school.

TE 220 TEACHING READINGS AND STUDY SKILLS IN SECONDARY SCHOOL SUBJECTS. Fall.

TE 600 FIELD EXPERIENCE IN TEACHER EDUCATION: THE TEACHER ASSISTANT PROGRAM. Winter Term only. Note: This course is no longer identified by the numberical designation--TE 600. Also, prerequisites should be deleted.

TE 305 METHODS OF TEACHING ELEMENTARY READING AND MATHEMATICS. Deleted.

The Professional Semester
In paragraph 1, change the last sentence to read: In order to be assured of a positive recommendation for certification, students must complete the student teaching experience (TE 405, 406, 407 or TE 415, 416, 417) with a grade of at least B-.

Under Prerequisites to the professional semester are as follows: change #3 to read: For all certification fields, the Teacher Assistant Program (Winter Term) is recommended but not required.

THEATRE

Faculty Changes: Assistant Professor: Douglas Sprigg (chairman) (returning from leave); Instructor: Frank Pike (from Resident).
New Faculty: Assistant Professor: Dana Holby.
Departing Faculty: Instructors: Joanne Klein, Karen Hurley.

Major Program: Following paragraph 1, the list of courses should be changed to the following:

*TH 116 MASTERS AND MASTERWORKS OF THEATRE

TH 206 TWENTIETH CENTURY EXPERIMENTS

TH 214 DIRECTING I

TH 221 SCENE DESIGN

TH 326 MODERN DRAMA

EL 321 or 322 SHAKESPEARE

Under Acting/Directing, delete PA 233 ART AND PHILOSOPHY and add PA 223 AESTHETICS.

Freshman Writing Program
TH 106 INTRODUCTION TO DRAMA STUDIES. Fall.

Departmental Courses

TH 102 ACTING I. Fall, Spring. Mr. Sprigg.

*TH 116 MASTERS AND MASTERWORKS OF THEATRE. Fall. New Description. Outstanding plays covering several periods and styles of Western theatre will be considered as models for the exploration of theatre history, play production and critical analysis. Lectures, discussions, papers, projects and exams will acquaint students with the playscript as a "blueprint for performance," the rich beginning of a shared endeavor of various creative and interpretative artists that culminates in the remarkable experience of theatre. Mr. Pike.

*TH 126 MASTERS AND MASTERWORKS OF THEATRE II. Deleted.

TH 202 ACTING II. Spring. Mr. Sprigg.

TH 206 TWENTIETH CENTURY EXPERIMENTS. Spring. The major figures of modern theatrical theory and practice will constitute the target of study for the course. The contributions of such innovators as Stanislavski, Copeau, Brecht, Artaud, Grotowski, and Peter Schumann will form the basis for speculation regarding the condition and redemption of theatre in our time. Discussions, readings, papers, exams and projects will explore the roots and nature of the theatrical avant-garde. Mr. Pike.

TH 213 STAGES AND LIGHTING DESIGN. Fall.

TH 214 DIRECTING I. Fall.

TH 218 INTRODUCTION TO PLAYWRITING. Fall.

TH 221 SCENE DESIGN. Spring.

TH 224 DIRECTING II. Spring. New Description. An examination of specific directing problems, with emphasis upon the process of communicating with actors and designers. Students will spend a major part of the course analyzing, casting and rehearsing a one-act play to be presented at the end of the term. (TH 214 or permission.) Mr. Sprigg.

TH 226 AMERICAN DRAMA. Spring.

(TH 325 COSTUME DESIGN)

TH 326 MODERN DRAMA. Fall. Mr. Sprigg.

TH 400 SPECIAL TOPICS: ACTING. Spring. New Title. New Description. A workshop environment designed for those students who have had some experience either acting or playwriting or have otherwise demonstrated a serious interest in performance. Various acting and writing exercises will encourage the student to focus on, express and share emotions, dynamics and moments from his or her life experience. Out of this initial exploratory work will emerge short scenes which will be developed and refined through intensive improvisational work. The course will culminate in a workshop performance. (Permission of the instructor required.) Mr. Pike.

TH 416 TWENTIETH CENTURY EXPERIMENTS IN THEATRE. Deleted. (See TH 206.)

TH 500 INTERMEDIATE INDEPENDENT PROJECT. Fall, Spring.

TH 700 SENIOR PROJECT. Fall, Spring.

Production Studios

TH 210 PRODUCTION STUDIO: ACTING/DIRECTING. Fall. Mr. Perry.

TH 219 PRODUCTION STUDIO: DESIGN/PRODUCTION. Fall.

TH 220 PRODUCTION STUDIO: ACTING/DIRECTING. Spring. Mr. Sprigg.

TH 229 PRODUCTION STUDIO: DESIGN/PRODUCTION. Spring.

Film Courses

(TH 117 FILM FORM AND FILM SENSE)

TH 327 THE FILMS OF ANTONIONI. Spring.

Dance

DA 140 INTRODUCTION TO DANCE. Fall, Spring. (See MU 140 in 1979-80 Catalogue for description.)

DA 260 INTERMEDIATE DANCE TECHNIQUE. Fall, Spring. (See MU 260 in 1979-80 Catalogue for description.)

DA 261 INTERMEDIATE DANCE TECHNIQUE. Fall, Spring. (See MU 261 in 1979-80 Catalogue for description.)

DA 360 ADVANCED DANCE TECHNIQUE. Fall, Spring. (See MU 360 in 1979-80 Catalogue for description.)

DA 361 ADVANCED DANCE TECHNIQUE. Fall, Spring. (See MU 361 in 1979-80 Catalogue for description.)

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